



VISAYAS
STATE UNIVERSITY

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

Supply and Delivery of IT Equipment and Supplies (VSU-GOODS-24-04) *(early procurement)*

Government of the Republic of the Philippines

**November 8, 2023; 2:00 PM
BAC Conference Room, VSU Market, Visca, Baybay City, Leyte
and via Zoom**

**Sixth Edition
July 2020**

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Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

CDA - Cooperative Development Authority.

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

DDP – Refers to the quoted price of the Goods, which means “delivered duty paid.”

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – “Free Carrier” shipping point.

FOB – “Free on Board” shipping point.

Foreign-funded Procurement or Foreign-Assisted Project– Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

Framework Agreement – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

Supplier – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

UN – United Nations.

Section I. Invitation to Bid



INVITATION TO BID FOR SUPPLY AND DELIVERY OF IT EQUIPMENT AND SUPPLIES

- The *Visayas State University* through the *GF 2024* intends to apply the sum of *Six Million Eight Hundred Fifty Four Thousand Two Hundred Ninety Pesos (PhP 6,854,290.00)* being the ABC to payments under the contract for *Supply and Delivery of IT Equipment and Supplies (VSU-GOODS-24-03)*. Bids received in excess of the ABC shall be automatically rejected at bid opening.

The *Visayas State University*, through the *GF 2024* intends to apply the following ABC per item to payments under the contract for each item, to wit:

| Item # | Description | Unit | Qty | Unit Price | Total Price |
|--|---|---|------|------------|-------------|
| 1 | 13.6" Laptop, Liquid Retina Display, M2 Chip, 8GB RAM | unit | 5 | 95,000.00 | 475,000.00 |
| | <i>M2 chip with 8-core CPU, 10-core GPU, 16-core Neural Engine</i> | | | | |
| | <i>8GB unified memory</i> | | | | |
| | <i>512GB SSD storage</i> | | | | |
| | <i>13.6-inch Liquid Retina display with True Tone³</i> | | | | |
| | <i>1080p FaceTime HD camera</i> | | | | |
| | <i>MagSafe 3 charging port</i> | | | | |
| | <i>Two Thunderbolt / USB 4 ports</i> | | | | |
| | <i>70W USB-C Power Adapter</i> | | | | |
| | <i>Backlit Magic Keyboard with Touch ID - US English</i> | | | | |
| | 2 | 15.3" Laptop, Liquid Retina Display, M2 Chip, 16GB RAM | unit | 2 | 110,000.00 |
| <i>M2 chip with 8-core CPU, 10-core GPU, 16-core Neural Engine</i> | | | | | |
| <i>16GB unified memory</i> | | | | | |
| <i>512GB SSD storage</i> | | | | | |
| <i>15.3-inch Liquid Retina display with True Tone³</i> | | | | | |
| <i>1080p FaceTime HD camera</i> | | | | | |
| <i>MagSafe 3 charging port</i> | | | | | |
| <i>Two Thunderbolt / USB 4 ports</i> | | | | | |
| <i>70W USB-C Power Adapter</i> | | | | | |
| <i>Backlit Magic Keyboard with Touch ID - US English</i> | | | | | |
| 3 | | 3M RJ-45 Volition U.S. Faceplate face plate panel double port 2-Port IO Information Outlet plate | pc | 20 | 150.00 |
| | ☑Original 3M | | | | |
| | ☑IO Information Outlet plate | | | | |
| | ☑Ensure easy fitting and smart presentation of the RJ45 jacks | | | | |
| | ☑The Keystone mounting feature of the Jack may allow you to use other Keystone boxes or faceplates. | | | | |
| | ☑High performance | | | | |

| | | | | | |
|----------|--|------------|-----------|-------------------|-------------------|
| | ☐Brand new | | | | |
| | ☐comes with 2 pcs screws | | | | |
| | ☐Existing fleet of VSU Faceplate and should be compatible with existing keystone | | | | |
| 4 | 3M Volition Cat6 8-Way Female Tool-less IO Information Outlet RJ45 Connector Keystone Mount | pc | 38 | 350.00 | 13,300.00 |
| | ☐Original 3M | | | | |
| | ☐IO Information Outlet | | | | |
| | ☐Tool-less jack • | | | | |
| | ☐Re-usable • | | | | |
| | ☐Shallow Depth, Cable Entry from top or bottom • | | | | |
| | ☐Keystone Mounting • | | | | |
| | ☐Accepts both solid conductors from AWG 26 to 22 and stranded conductors • | | | | |
| | ☐Integral shutter Benefits • | | | | |
| | ☐Easy and quick to install • | | | | |
| | ☐Fast reliable connection in record time: 8 copper conductor wired in a single connection • | | | | |
| | ☐Quality of connection by design: not dependant on tool condition or operator skills | | | | |
| | ☐Consistent results • | | | | |
| | ☐Easier cable management • | | | | |
| | ☐No need to use a new jack if a wiring mistake is made • | | | | |
| | ☐More space and flexibility to ensure the cable minimum bend radius is never compromised • | | | | |
| | ☐Compatibility between Volition copper and fiber jacks and many other accessories on the market using the standard keystone mounting • | | | | |
| | ☐Compatible with all cables on the market and enables 'jack to plug' cables to be manufactured using stranded conductors • | | | | |
| | ☐Increased dust protection, especially during installation • No additional shuttering required on faceplates • | | | | |
| | ☐Higher port density • | | | | |
| | ☐Allows direct mounting into floor boxes • | | | | |
| | ☐An integral shutter protects the jack in the patch panel • | | | | |
| | ☐Should be compatible with the existing fleet of VSU faceplates | | | | |
| 5 | 5 Units of Projector | lot | 1 | 140,000.00 | 140,000.00 |
| | Specification: | | | | |
| | Projection System Technology: RGB liquid crystal shutter projection system (3LCD), 3-chip technology | | | | |
| | White Light Output (Normal/Eco):3,600 lm | | | | |
| | Colour Light Output:3,600 lm | | | | |
| | Resolution XGA, at least 1024 x 768, | | | | |
| | Analog Input: D-Sub 15pin: 1 | | | | |
| | Digital Input: HDMI: 1 | | | | |
| | LCD: Native Resolution: XGA (1024 x 768) | | | | |
| | Size: 0.55" (C2fine) | | | | |
| | Light source: Type: 210W UHE | | | | |
| | Life (Normal / Eco): 6,000 / 12,000 hours | | | | |

| | | | | | |
|-----------|---|-------------|-----------|------------------|------------------|
| | Aspect Ratio:4:3 | | | | |
| | USB Interface: USB Type B: 1 (For Firmware Update, Copy OSD Settings) | | | | |
| | Analog Input: D-Sub 15pin: 1 | | | | |
| | Digital Input: HDMI: 1 | | | | |
| 6 | All-in-One Ink Tank Printer Wi-Fi Duplex with ADF | unit | 2 | 21,000.00 | 42,000.00 |
| | ☐Compact integrated tank design | | | | |
| | ☐Print speeds up to 15ipm for black and 8.0ipm for colour | | | | |
| | ☐Auto-duplex printing Fax and ADF capability / Ethernet & | | | | |
| | ☐Wi-Fi Direct | | | | |
| | ☐Borderless Printing up to A4 size | | | | |
| | ☐Spill-free ink refilling | | | | |
| | ☐Control Panel: 2.4 " Colour LCD Touch Panel | | | | |
| 7 | All-in-One Ink Tank Printer with ADF | unit | 2 | 15,500.00 | 31,000.00 |
| 8 | All-in-One-Printer | pc | 1 | 11,000.00 | 11,000.00 |
| | Inktank 3 in 1 Printer Continuous Ink with Scanner and Xerox | | | | |
| | Ultra-low-cost printing: Save up to 90% on the cost of ink | | | | |
| | Next generation ink filling system: Enjoy hassle and mess-free refills with enhanced ink bottles | | | | |
| | Reliable results: Micro Piezo technology, Epson genuine ink, warranty | | | | |
| | 3-in-1:Print, copy & scan and borderless 10x15cm photo printing | | | | |
| | Print Resolution: 5760 x 1440 DPI | | | | |
| | Print Speed: 10 pages/min Monochrome, 5 pages/min Colour | | | | |
| | 5760 x 1400 DPI | | | | |
| | Compatible: Mac OS 10.10.x, Mac OS 10.7.x, Mac OS 10.8.x, Mac OS 10.9.x, Mac OS X 10.6.8 or later, Windows 10,Windows 7,Windows 7x64, Windows 8, Windows 8 (32/64 bit), Windows 8.1, Windows 8.1 x64 Edition, Windows Vista, Windows Vista x64, Windows XP, Windows XP x64, XP Professional x64 Edition | | | | |
| 9 | ATX Power Supply (500W) | pc | 14 | 980.00 | 13,720.00 |
| | ☐Single 6pin | | | | |
| | ☐24pin connector | | | | |
| | ☐Dual 4pin for board | | | | |
| | ☐4 sata supply | | | | |
| | ☐4 molex supply | | | | |
| 10 | Audio Mixer, 10-channel Mixer with USB and Effects | unit | 1 | 30,000.00 | 30,000.00 |
| | GigFX effects engine delivers 24 effects including reverbs, delays, and choruses | | | | |
| | 4 Mic preamps (XLR) deliver clear signal and 60dB of gain | | | | |
| | Rugged design will stand up to the wear and tear of the road | | | | |
| | 3 Band EQ and 100Hz low-cut filter on all channels | | | | |
| | Built-in channel compression | | | | |
| | 48-volt phantom power on all mic channels | | | | |
| | 24-bit/192kHz A/D for unmatched audio quality | | | | |
| | USB for playback music and recording into your computer | | | | |
| | Balanced XLR and balanced/unbalanced outputs | | | | |

| | | | | | |
|-----------|---|-------------|----------|-----------------|------------------|
| 11 | Automatic Voltage Regulatory (AVR), 1500W, heavy duty | unit | 3 | 5,000.00 | 15,000.00 |
| | ☐Input: 220volts | | | | |
| | ☐Power: 1500watts | | | | |
| | ☐Output: 110-220 volts | | | | |
| | ☐Range voltage 120v-220 volts | | | | |
| | ☐Servo motor controlled | | | | |
| 12 | AVR, 500W (IC Controlled) | unit | 7 | 500.00 | 3,500.00 |
| | ☐Power Output: 500 W | | | | |
| | ☐Power Factor Correction (PFC): Active PFC with Value of 0.98 | | | | |
| | ☐Fan Type: 1 x 120 mm Smart and Silent Fan Control 22 dBA | | | | |
| | ☐Safety Standards: FCC, CB, CCC, TUV, CE, C-tick, EMI, EMC, S-Intertek, CPT-AB15 | | | | |
| 13 | Battery Charger for 9 Volts Battery | pc | 1 | 400.00 | 400.00 |
| | For 9 volts rechargeable batteries *Charges 2x rechargeable batteries (9 volts) at the same time\ | | | | |
| | *With 110v & 220v setting | | | | |
| | Compatible with Nickel-Cadmium & Nickel-Metal Hydride rechargeable batteries | | | | |
| 14 | Battery, Li-ion EN-EL5 for Camera Coolpix P520 | pc | 1 | 1,000.00 | 1,000.00 |
| | good quality | | | | |
| | Fit for camera coolpix P520 | | | | |
| | Rechargeable | | | | |
| | 3.7V | | | | |
| | 1100mAh | | | | |
| 15 | Canon Cartridge 054 Toner - Black | pc | 1 | 4,600.00 | 4,600.00 |
| | For Canon Generic UFR II Printer Model: LBP621C | | | | |
| | Color: Black | | | | |
| 16 | Canon Cartridge 054 Toner - Magenta | pc | 1 | 4,600.00 | 4,600.00 |
| | For Canon Generic UFR II Printer Model: LBP621C | | | | |
| | Color: Magenta | | | | |
| 17 | Canon Cartridge 054 Toner - Yellow | pc | 1 | 4,600.00 | 4,600.00 |
| | For Canon Generic UFR II Printer Model: LBP621C | | | | |
| | Color: Yellow | | | | |
| 18 | Canon Cartridge 054 Toner-Cyan | pc | 1 | 4,600.00 | 4,600.00 |
| | For Canon Generic UFR II Printer Model: LBP621C | | | | |
| | Color: Cyan | | | | |
| 19 | Canon Pixma Ink Bottle,GI-71(Black, Cyan, Magenta, Yellow) | set | 5 | 2,500.00 | 12,500.00 |
| | Black - 135ml per bottle | | | | |
| | Colored - 70ml per bottle | | | | |
| | Set includes all four colors | | | | |
| | Compatible with: Canon Pixma G1020 Canon Pixma G2020 Canon Pixma G3020 Canon Pixma G3060 | | | | |
| 20 | Computer Keyboard USB | pc | 4 | 400.00 | 1,600.00 |
| | ☐Standard Keyboard with 104 Keys | | | | |
| | ☐USB Connection | | | | |
| | ☐Low Profile Key Caps | | | | |

| | | | | | |
|-----------|---|-------------|-----------|------------------|-------------------|
| | ☐Minimum Key Noise | | | | |
| | ☐Laser Printing for Key Layout | | | | |
| | ☐Spill Resistant Design | | | | |
| 21 | Computer Monitor 21.5", VA | pc | 1 | 6,500.00 | 6,500.00 |
| | Size: 21.5" | | | | |
| | Panel Type: VA | | | | |
| | Resolution: 1920x1080 (FHD) | | | | |
| | Refresh Rate: 75Hz | | | | |
| | Response Time: 5MS | | | | |
| | Interface: VGA, HDMI | | | | |
| | With a slim and 3-sided frameless design | | | | |
| | Flicker Free and Low Blue Mode eye protection technology | | | | |
| | VESA mount compatibility | | | | |
| 22 | Computer Monitor 24", IPS, Bezel-less Full HD Monitor | set | 2 | 7,000.00 | 14,000.00 |
| | ☐Panel Type: IPS | | | | |
| | ☐Brightness(Typical): 250cd/ m ² | | | | |
| | ☐Brightness(Min): 200cd/ m ² | | | | |
| | ☐Contrast Ratio Static: 1000:1(typical) | | | | |
| | ☐Dynamic Contrast Ratio: MegaFlat | | | | |
| | ☐Resolution: 1920x1080 | | | | |
| | ☐Response Time: 5ms(GTG) | | | | |
| | ☐Max Color Support: Max 16.7M | | | | |
| | ☐Max Refresh Rate: Max 75Hz | | | | |
| | ☐Interface: D-sub(x1), HDMI(x1) | | | | |
| 23 | Computer Printer 3-in-1 | unit | 9 | 12,500.00 | 112,500.00 |
| | ☐with CIS Filled with Inks | | | | |
| | ☐Compact integrated tank design | | | | |
| | ☐High yield ink bottles | | | | |
| | ☐Spill-free, error-free refilling | | | | |
| | ☐Wi-Fi, Wi-Fi Direct | | | | |
| | ☐Borderless printing up to 4R | | | | |
| 24 | Computer Printer, All-in-One/Multifunction Colored-Ink Tank | unit | 12 | 14,000.00 | 168,000.00 |
| | ☐Ultra-low-cost printing: Print up to 4,500 pages in black and 7,500 in colour | | | | |
| | ☐Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles | | | | |
| | ☐Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices | | | | |
| | ☐3-in-1: Print, copy & scan and borderless photo printing | | | | |
| | ☐Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color | | | | |
| | ☐Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology | | | | |
| | ☐Ink Technology: Dye Ink | | | | |
| | ☐Printing Resolution: 5,760 x 1,440 DPI | | | | |
| 25 | CPU (Central Processing Unit) | unit | 3 | 15,000.00 | 45,000.00 |
| | ☐AMD A10-8770 Processor | | | | |
| | ☐Motherboard compatible with the processor | | | | |

| | | | | | |
|----|--|-------------|----------|------------------|-------------------|
| | ☐Kingston 4GB DDR4-2666 Memory | | | | |
| | ☐CPU Casing w/ PSU | | | | |
| | ☐256GB SSD | | | | |
| 26 | DDR3 4GB SO - DIMM 2666 Mhz | unit | 4 | 1,500.00 | 6,000.00 |
| 27 | DESKTOP (BRANDED) | set | 6 | 80,000.00 | 480,000.00 |
| | Motherboard, Processor Intel core i7 12gen. | | | | |
| | RAM at least 16gb | | | | |
| | Hard drive SSD M2 at least 500gb | | | | |
| | Led Monitor 21 | | | | |
| | usb keyboard & mouse | | | | |
| | AVR or UPS. | | | | |
| | With Licensed WIndows 11 and MS Office 2016. | | | | |
| 28 | Desktop Computer (i7), 11th Gen, 8GB RAM | set | 2 | 65,000.00 | 130,000.00 |
| | ☐Processor: Intel® Core™ i7-11700 or higher | | | | |
| | ☐Chipset: Intel®H510 with ultradurable capacitors | | | | |
| | ☐Graphics: Intel® UHD Graphics 750 | | | | |
| | ☐Memory: at least 8 GB Dual Channel, DDR4 at 3200MHz | | | | |
| | ☐Expansion Slots: 1 x M.2, 2 x PCI-e x 1, 1 x PCI-e x 16 | | | | |
| | ☐SATA: 4 x SATA 6Gb/s *1 | | | | |
| | ☐Storage: at least 250 GB M.2 SSD | | | | |
| | ☐Operating System: Genuine Windows 10 Home | | | | |
| | ☐Power Supply: at least 500 W Peak with ATX case | | | | |
| | ☐Monitor: 24" LED IPS Full HD | | | | |
| | ☐Keyboard and Mouse | | | | |
| 29 | Desktop Computer (w/o Monitor), Core i3 11th Gen or higher | unit | 4 | 24,000.00 | 96,000.00 |
| | ☐Processor: Intel Core i3-11300 (4 cores /8 threads) or higher | | | | |
| | ☐Motherboard: Intel H510M Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1200 | | | | |
| | ☐Memory: 8GB DDR4 2933 DIMM Desktop Memory or higher | | | | |
| | ☐SSD: 240GB NVMe or higher | | | | |
| | ☐Casing with Power Supply | | | | |
| | ☐Operating System: Genuine Windows 10 Home (OEM) | | | | |
| | ☐w/ USB Keyboard and Mouse | | | | |
| 30 | Desktop Computer, 12Gen Core i5, 16GB RAM, RTX 3050 no Monitor | unit | 1 | 49,000.00 | 49,000.00 |
| | ☐Processor: Intel® i5-12400F Total Cores: 6, Threads: 12, Max Turbo Frequency: 4.40Ghz, Performance Core Base Frequency: 2.5Ghz, Cache: 18MB or higher | | | | |
| | ☐Motherboard: Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher | | | | |
| | ☐RAM: 16GB DDR4 3200 MHz CL16, Intel® XMP-ready and XMP Certified, Low-profile heat spreader design or higher | | | | |
| | ☐SSD: 512 GB M.2 2280 Form Factor PCIe Gen3x4 Interface, read up to :1700 MB, write up: 1550 MB/s or higher | | | | |
| | ☐Casing: mATX/ATX casing with transparent acrylic side panels | | | | |

| | | | | | |
|-----------|--|-------------|----------|------------------|-------------------|
| | and Cooler Fan Support: front panel 3*120mm/top 2*120mm/rear 1*120mm | | | | |
| | ☑Graphics Processor: NVIDIA® GeForce RTX™ 3050, Bus Standard: PCI Express 4.0 | | | | |
| | ☑OpenGL: OpenGL®4.6, Video Memory: 8GB GDDR6 | | | | |
| | ☑PSU:550w, True Rated Power Supply 80 plus Bronze Rated PSU for Micro ATX and ATX casing or higher | | | | |
| 31 | Desktop Computer, All-in-one (AIO), Pentium Silver, 4GB RAM | unit | 1 | 27,000.00 | 27,000.00 |
| | Intel Pentium Silver J5040 2.0GHz up to 3.20GHz Processor or higher | | | | |
| | 4GB DDR4 Memory or higher | | | | |
| | 1TB 2.5" SATA HDD or higher | | | | |
| | 21.5" FHD 1920x1080 IPS Display (non-touch) or higher | | | | |
| | Intel Graphics | | | | |
| | 802.11AC WiFi + BT 720P HD Camera | | | | |
| | HDMI out 1.4 Port | | | | |
| | Windows 10 | | | | |
| 32 | Desktop Computer, Assembled, 12th Gen Core i5, SDD and HDD | set | 2 | 49,000.00 | 98,000.00 |
| | ☑Processor: Intel® Core i5 12th gen with Intel® UHD Graphics 730 or higher | | | | |
| | ☑Motherboard :Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher | | | | |
| | ☑RAM: 16GB DDR4 3200 Mhz or higher | | | | |
| | ☑SSD: 512 GB NVMe PCIe Gen 3x4 | | | | |
| | ☑HDD: 1 TB 7200 RPM | | | | |
| | ☑PSU: 650w 80 plus Bronze Certified | | | | |
| | ☑Casing: mATX Casing with transparent acrylic side panel | | | | |
| | ☑24" IPS monitor 72% NSTC color gamut with 75Hz refresh rate | | | | |
| | ☑Keyboard and Mouse Combo: Spill-resistant design with up to Up to 5 million keystrokes (excludes number lock key) keyboard and full-sized ambidextrous optical mouse | | | | |
| | ☑Operating system: Genuine Windows 11 | | | | |
| 33 | Desktop Computer, with Monitor, Core i5 12th Gen, 8GB RAM | set | 5 | 49,000.00 | 245,000.00 |
| | ☑Processor: 12th Generation Intel® Core™ i5-12400 Processor(2.50 GHz up tp 4.40 GHz) or higher | | | | |
| | ☑Motherboard: Intel® H610 Express Chipset Micro ATX Motherboard, with 6+1+1 Hybrid Digital VRM, High quality capacitors and Anti-sulfur resistors or higher | | | | |
| | ☑Operating System: Genuine Windows 11 Home 64 | | | | |
| | ☑Memory: 8 GB DDR4-3200MHz (UDIMM) or higher | | | | |
| | ☑Graphics: Integrated Graphics | | | | |
| | ☑SSD: 256 GB SSD M.2 2280 PCIe or higher | | | | |
| | ☑Casing: mATX casing | | | | |
| | ☑Power supply: at least 450W, True Rated 80+ Bronze | | | | |

| | | | | | |
|-----------|--|-------------|----------|------------------|------------------|
| | ☐Monitor: 24" FHD (1920 x 1080) IPS Monitor, NTSC 72%, 5ms response time, 60Hz | | | | |
| 34 | Desktop Monitor, 24" IPS, 75Hz | unit | 1 | 8,500.00 | 8,500.00 |
| | Size (Inch) 23.8Size (cm) with narrow bezel | | | | |
| | Resolution: 1920 x 1080 | | | | |
| | Panel Type: IPS | | | | |
| | Aspect Ratio: 16:9 | | | | |
| | Pixel Pitch: 0.2745 x 0.2745 mm | | | | |
| | Brightness (Min.): 200 cd/m ² Brightness (Typ.) 250 cd/m ² | | | | |
| | Color Gamut (Typ.): NTSC 72% (CIE1931) | | | | |
| | Color Depth (Number of Colors): 16.7M | | | | |
| | Contrast Ratio (Min.): 600:1 | | | | |
| | Contrast Ratio (Typ.): 1000:1 | | | | |
| | Response Time: 5ms (GtG at Faster) | | | | |
| | Viewing Angle (CR≥10): 178°(R/L), 178°(U/D) | | | | |
| | Surface Treatment: Anti Glare | | | | |
| | Connectivity: DSub, HDMI | | | | |
| | HDMI (Max. Resolution at Hz): 1920 x 1080 @ 75Hz | | | | |
| 35 | DS3231 RTC High Precision Real-Time Clock Module | pc | 2 | 200.00 | 400.00 |
| 36 | DSLR Camera | unit | 1 | 80,000.00 | 80,000.00 |
| | 24.5MP FX-Format BSI CMOS Sensor and EXPEED 6 Processor | | | | |
| | 51-Point Multi-CAM 3500 II AF Sensor | | | | |
| | UHD 4K Video Recording | | | | |
| | 273-Point Hybrid AF System | | | | |
| | Body Design | | | | |
| 37 | DSLR Camera with lens and accessories | unit | 1 | 42,000.00 | 42,000.00 |
| | 20.2MP APS-C 'Dual Pixel CMOS AF' sensor | | | | |
| | DIGIC 5+ image processor | | | | |
| | ISO 100-12800 standard, 25600 expanded | | | | |
| | 7fps continuous shooting, burst depth 65 JPEG / 16 Raw | | | | |
| | 'Silent' shutter mode | | | | |
| | 1080p30 video recording, stereo sound via external mic | | | | |
| | 19-point AF system, all points cross-type, sensitive to -0.5 EV | | | | |
| | 63-zone iFCL metering system | | | | |
| | 98% viewfinder coverage, 0.95x magnification, switchable gridlines and electronic level display | | | | |
| | Fully-articulated touchscreen, 1040k dot 3" ClearView II LCD, 3:2 aspect ratio | | | | |
| | Single SD/SDHC/SDXC card slot | | | | |
| | Built-in Wi-Fi | | | | |
| | Single-axis electronic level | | | | |
| | Built-in flash works as off-camera remote flash controller | | | | |
| | AF microadjustment (can be set individually for up to 40 lenses, remembered by lens serial number) | | | | |
| | In-camera High Dynamic Range and Multiple Exposure modes (JPEG-only) | | | | |
| | 'Creative Filter' image processing styles, previewed in live view | | | | |

| | | | | | |
|----|--|-------|----|----------------------|-----------|
| 38 | EPSON - BK-774 Ink | btl | 5 | 600.00 | 3,000.00 |
| | <i>For EPSON M200 Printer:</i> | | | | |
| | <i>Color : Black</i> | | | | |
| | <i>Ink - 774</i> | | | | |
| 39 | Epson 001 ink, Black, 127ml, Genuine | btls | 78 | 600.00 | 46,800.00 |
| 40 | Epson 001 ink, Cyan, Genuine | btls | 37 | 350.00 | 12,950.00 |
| 41 | Epson 001 ink, Magenta, Genuine | btls | 36 | 350.00 | 12,600.00 |
| 42 | Epson 001 ink, Yellow, Genuine | btls | 34 | 350.00 | 11,900.00 |
| 43 | Epson 003 Ink Bottle for Epson L3150, Black | btls | 52 | 400.00 | 20,800.00 |
| 44 | Epson 003 Ink Bottle for Epson L3150, CYAN | btls | 29 | 400.00 | 11,600.00 |
| 45 | Epson 003 Ink Bottle for Epson L3150, MAGENTA | btls | 29 | 400.00 | 11,600.00 |
| 46 | Epson 003 Ink Bottle for Epson L3150, YELLOW | btls | 29 | 400.00 | 11,600.00 |
| 47 | Epson 188 Black, Cyan, Yellow & Magenta Ink Set of 4 Colors | sets | 4 | 4,700.00 | 18,800.00 |
| | <i>DURAbrite Ultra Ink</i> | | | | |
| | <i>Max Economy for prints</i> | | | | |
| | <i>Print up to A3+</i> | | | | |
| | <i>Mobile printing with Epson Connect</i> | | | | |
| | <i>For use on WF-7111 / WF-7611 / WF-7211 / WF-7711</i> | | | | |
| | <i>Average page yield for black ink cartridge: 2,200 pages</i> | | | | |
| | <i>Average page yield for colour ink cartridge: 1,100 pages</i> | | | | |
| 48 | External Hard Disk Drive (Portable, 1TB), USB 3.1 | unit | 6 | 3,500.00 | 21,000.00 |
| | ☑ <i>Shock-absorbing</i> | | | | |
| | ☑ <i>Interface: USB 3.1 (Max.5Gb/s)</i> | | | | |
| | ☑ <i>Capacity: 1TB</i> | | | | |
| | ☑ <i>Texture: Plastic/Rubber</i> | | | | |
| | ☑ <i>Operating Voltage: DC 5V, 900mA</i> | | | | |
| | ☑ <i>System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later</i> | | | | |
| 49 | External Hard Drive, 1 TB | unit | 10 | 3,000.00 | 30,000.00 |
| | <i>Capacity: 1TB</i> | | | increase ABC 3500 | |
| | <i>Connection interface: USB 2.0/3.0</i> | | | | |
| | <i>Storage Media: 2.5" SATA HDD</i> | | | | |
| | <i>Op. Voltage: USB DC 5V</i> | | | | |
| | <i>Size :129.5mm x 82.4mm x 20.4mm</i> | | | | |
| | <i>Weight: 216g</i> | | | | |
| 50 | Flash Drive, 128GB, USB 3.0 | pc | 5 | 1,500.00 | 7,500.00 |
| | ☑ <i>Capacity:128GB</i> | | | | |
| | ☑ <i>Interface: USB 3.0</i> | | | | |
| | ☑ <i>Speed: 100MB/s read, 10MB/s write</i> | | | | |
| 51 | Flash Drive, at least 32GB USB 3.0 | pcs | 12 | 800.00 | 9,600.00 |
| 52 | Hard Disk ST1000DM010 1TB 64MB Cache SATA 6.0Gb/s 3.5 | pcs | 4 | 2,400.00 | 9,600.00 |
| | <i>ST1000DM010 1TB 64MB Cache SATA 6.0Gb/s 3.5</i> | | | | |
| 53 | HDMI to HDMI cable | piece | 2 | 500.00 | 1,000.00 |
| | ☑ <i>chord 1.8 meter long;</i> | | | | |

| | | | | | |
|-----------|--|-------------|----------|-----------------|------------------|
| 54 | Headphone, Professional, Studio Grade, | unit | 6 | 8,000.00 | 48,000.00 |
| | ☐Type: Closed-back dynamic | | | | |
| | ☐Driver Diameter: 40 mm | | | | |
| | ☐Frequency Response: 15 - 24,000 Hz | | | | |
| | ☐Maximum Input Power: 1,600 mW at 1 kHz | | | | |
| | ☐Sensitivity: 98 dB | | | | |
| | ☐Impedance: 35 ohms | | | | |
| | ☐Cable Includes two interchangeable cables: detachable 1.2 m - 3.0 m (3.9' - 9.8') coiled cable and detachable 3.0 m (9.8') straight cable | | | | |
| | ☐Cable - Detachable: Yes | | | | |
| | ☐Magnet: Neodymium | | | | |
| | ☐Voice Coil: CCAW (Copper-clad aluminum wire) | | | | |
| | ☐Folding/collapsible: Yes | | | | |
| | ☐Accessories Included Protective carrying pouch, 6.3 mm (1/4") screw-on adapter | | | | |
| 55 | Headset (Wired), Generic Over the Ear with mic | pc | 1 | 500.00 | 500.00 |
| | ☐Line is equipped with a rotary volume controller, one key Mic mute, | | | | |
| | ☐Frequency Range:20-20K(Hz) | | | | |
| | ☐Sensitivity:-52(dB) | | | | |
| | ☐Impedance:32(Ohm) | | | | |
| | ☐Speaker Diameter:40(mm) | | | | |
| | ☐Distortion Rate:0.8% | | | | |
| | ☐Plug Diameter:3.5mm | | | | |
| 56 | Headset with Noise Cancelling Mic | unit | 3 | 1,800.00 | 5,400.00 |
| | ☐Input Impedance: at least 32 Ohms | | | | |
| | ☐Sensitivity (headphone):at least 94 dBV/Pa +/- 3 dB | | | | |
| | ☐Sensitivity (microphone): -17 dBV/Pa +/- 4 dB | | | | |
| | ☐Frequency response (Headset): 20 Hz - 20 KHz | | | | |
| | ☐Frequency response (Microphone): 100 Hz - 10 KHz | | | | |
| | ☐Cable Length: at least 7 ft | | | | |
| | ☐Connections: USB-A compatible (1.1, 2.0, 3.0), USB port 1Type A port or adapter | | | | |
| 57 | Headset, Over Ear, wired | sets | 4 | 750.00 | 3,000.00 |
| | ☐Wearing Type: Over-ear | | | | |
| | ☐Microphone: Yes | | | | |
| | ☐Volume Control: Yes | | | | |
| | ☐One Key Mute Button: Yes | | | | |
| | ☐Microphone: Omnidirectional | | | | |
| | ☐Plug Type: 3.5mm | | | | |
| | ☐Speaker Diameter: 50mm | | | | |
| | ☐Receive Sensitivity: 101dB | | | | |
| | ☐Impedance: 32Ω | | | | |
| | ☐Frequency Response: 20-20kHz | | | | |
| 58 | HP Ink Cartridge 678 Black | pc | 6 | 550.00 | 3,300.00 |
| 59 | HP Ink Cartridge 678 Tricolor | pc | 6 | 550.00 | 3,300.00 |

| | | | | | |
|----|---|------|-----|----------|------------|
| 60 | Ink Cartridge Pigment Ink For Epson WorkForce Pro WF-C878R, T05A1 T05A2 T05A3 T05A4, Printer Ink Bag | sets | 2 | 7,500.00 | 15,000.00 |
| | <i>Ink Cartridge Pigment Ink For Epson WorkForce Pro WF-C878R</i> | | | | |
| | <i>T05A1 (BLACK)</i> | | | | |
| | <i>T05A2 (CYAN)</i> | | | | |
| | <i>T05A3 (MAGENTA)</i> | | | | |
| | <i>T05A4 (YELLOW)</i> | | | | |
| 61 | Ink Cartridge, HP704, black | pcs | 6 | 595.00 | 3,570.00 |
| 62 | Ink Cartridge, HP704, tri color | pcs | 6 | 595.00 | 3,570.00 |
| 63 | Ink HP GT51 Black (K), Genuine | btls | 6 | 500.00 | 3,000.00 |
| 64 | Ink HP GT52 Cyan (C), Genuine | btls | 4 | 500.00 | 2,000.00 |
| 65 | Ink HP GT52 Magenta (M), Genuine | btls | 4 | 500.00 | 2,000.00 |
| 66 | Ink HP GT52 Yellow (Y), Genuine | btls | 4 | 500.00 | 2,000.00 |
| 67 | Ink, Brother BT5000C Cyan | btls | 25 | 500.00 | 12,500.00 |
| 68 | Ink, Brother BT5000M Magenta | btls | 25 | 500.00 | 12,500.00 |
| 69 | Ink, Brother BT5000Y Yellow | btls | 25 | 500.00 | 12,500.00 |
| 70 | Ink, Brother BTD60BK, Black | btls | 25 | 500.00 | 12,500.00 |
| 71 | Ink, Epson 001, Genuine Magenta 70ml, SKU: C13T03Y300 | pcs | 5 | 350.00 | 1,750.00 |
| 72 | Ink, Epson 001, Genuine Yellow 70ml, SKU: C13T03Y400 | pcs | 5 | 350.00 | 1,750.00 |
| 73 | Ink, Epson 001, SKU: Genuine Cyan 70ml, SKU: C13T03Y200 | pcs | 5 | 350.00 | 1,750.00 |
| 74 | Ink, Epson 003,Genuine Black 65mL | btl | 525 | 350.00 | 183,750.00 |
| 75 | Ink, EPSON 003,Genuine Cyan 65mL | btl | 238 | 350.00 | 83,300.00 |
| 76 | Ink, EPSON 003,Genuine Magenta 65mL | btl | 246 | 350.00 | 86,100.00 |
| 77 | Ink, EPSON 003,Genuine Yellow 65mL | btl | 236 | 350.00 | 82,600.00 |
| 78 | Ink, EPSON T9481 XL for WF-C878R Printer, Black | tube | 5 | 1,500.00 | 7,500.00 |
| 79 | Ink, EPSON T9481 XL for WF-C878R Printer, Cyan | tube | 5 | 1,500.00 | 7,500.00 |
| 80 | Ink, EPSON T9481 XL for WF-C878R Printer, Magenta | tube | 5 | 1,500.00 | 7,500.00 |
| 81 | Ink, Epson, 001, Genuine Black 127ml, C13T03Y100 | pcs | 10 | 650.00 | 6,500.00 |
| 82 | Ink, Epson, genuine (C) T664, 70 ml | pcs | 50 | 350.00 | 17,500.00 |
| 83 | Ink, Epson, genuine (M) T664, 70 ml | pcs | 63 | 350.00 | 22,050.00 |
| 84 | Ink, Epson, genuine, (BK) T664, 70 ml | pcs | 108 | 350.00 | 37,800.00 |
| 85 | Ink, Epson, genuine, (Y) T664, 70 ml | pcs | 60 | 350.00 | 21,000.00 |
| 86 | Ink. EPSON T9481 XL for WF-C878R Printer, Yellow | tube | 5 | 1,500.00 | 7,500.00 |
| 87 | Keyboard And Mouse Combo Bundle, USB powered | set | 3 | 600.00 | 1,800.00 |
| | ☑Keyboard | | | | |
| | ◀Keycaps: A-Shape, Round Edge | | | | |
| | ◀Hotkeys: No | | | | |
| | ◀Character: Laser Engraving | | | | |
| | ◀Adjustable Keyboard Legs: Yes | | | | |
| | ◀Rating: 5 V / 30 mA | | | | |
| | ☑Mouse | | | | |
| | ◀Report Rate: 125 Hz | | | | |
| | ◀Sensor: Optical | | | | |
| | ◀Resolution: 1000 DPI | | | | |
| | ◀Rating: 5 V / 100 mA | | | | |
| | ◀Buttons No.: 3 | | | | |

| | | | | | |
|-----------|--|-------------|----------|------------------|-------------------|
| | ◀Ergonomic Design: Symmetric | | | | |
| | ◀Size: Middle / Big Hands | | | | |
| 88 | Labelling Printer | unit | 1 | 8,500.00 | 8,500.00 |
| | ☑Technology: Thermal Transfer | | | | |
| | ☑Tape Width Capacity: at least 6, 9, 12, 18, 24 mm | | | | |
| | ☑Tape is humidity resistant, scratch resistant, temperature resistant, and waterproof | | | | |
| | ☑Connectivity: USB, Bluetooth | | | | |
| | ☑QR Code Generator: Capable | | | | |
| | ☑Barcodes: 14 types (Code 128, Code 39, Data Matrix, EAN-128, EAN-13, EAN-8, GS1-128, GS1-DataBar, ITF, MaxiCode, PDF417, QR Code, UPC-A, UPC-E) | | | | |
| | ☑Cutter: Automatic Full Cut Function | | | | |
| | ☑Power: AC or Battery | | | | |
| | ☑Compatibility: Windows Vista, 7, 8, 8.1, 10, Mac OSX 10.6 or later | | | | |
| | ☑Inclusions: 5 different sizes of compatible tapes | | | | |
| 89 | Laptop 14" (i3) | unit | 1 | 38,000.00 | 38,000.00 |
| | ☑Processor : Intel Core i3-1005G1 Processor 4M Cache, up to 3.40 GHz or higher | | | | |
| | ☑Operating System : Windows 10 Home | | | | |
| | ☑Memory : 4GB Onboard memory, 1 x SO-DIMM socket , total up to 8 GB SDRAM or higher | | | | |
| | ☑Display : 14.0" (16:9) LED-backlit HD (1366x768) 60Hz Anti-Glare Panel with 45% NTSC | | | | |
| | ☑Graphics : Integrated Intel UHD Graphics | | | | |
| | ☑Storage : 512GB PCIe Gen3 x2 SSD or higher | | | | |
| | ☑Networking : Integrated Wi-Fi 5 (802.11 ac) Bluetooth 5.0 | | | | |
| | ☑Battery : 2 -Cell 32 Wh lithium-polymer battery | | | | |
| 90 | Laptop 14" (i5) | unit | 2 | 49,500.00 | 99,000.00 |
| | ☑Processor: Intel Core i5-1035G1 Processor 1.0 GHz 6M Cache, up to 3.60 GHz or higher | | | | |
| | ☑Operating system: Windows 10 Home | | | | |
| | ☑Memory: 4GB memory, 1 x SO-DIMM socket (for expansion) or higher | | | | |
| | ☑Display: 14.0" (16:9) LED-backlit FHD (1920x1080) 60Hz Anti-Glare Panel with 45% NTSC | | | | |
| | ☑Video Processor: NVIDIA GeForce MX330 , with 2GB GDDR5 VRAM or higher | | | | |
| | ☑Storage: 512GB PCIe Gen3 x2 SSD | | | | |
| 91 | Laptop Cooling Pad 14" | pc | 1 | 500.00 | 500.00 |
| | 1.one 14cm big LED light fan | | | | |
| | 2.metal mesh | | | | |
| | 3. Powered by USB cable from laptop | | | | |
| | 4.Support size:12"-14"laptop | | | | |
| | 5.Color:black, | | | | |
| 92 | Laptop core i7 | unit | 6 | 84,000.00 | 504,000.00 |
| | Processor : 13th Generation Intel® Core™ i7-1360P Processor | | | | |

| | | | | | |
|-----------|---|-------------|----------|------------------|-------------------|
| | (E-cores up to 3.70 GHz P-cores up to 5.00 GHz) | | | | |
| | Operating System : Licensed Windows 11 Home Single Language 64 | | | | |
| | Memory : 16 GB LPDDR5-4800MHz (Soldered) | | | | |
| | Hard Drive : 1 TB SSD M.2 2280 PCIe Gen4 TLC | | | | |
| | Licensed MS Office | | | | |
| | Graphics : Integrated Intel® Iris® Xe Graphics eligible | | | | |
| | Battery : 4 Cell Li-Polymer | | | | |
| | Bluetooth : Bluetooth® 5.1 or above | | | | |
| | Pointing Device : ClickPad | | | | |
| 93 | Laptop Stand Lifting Riser Holder Aluminum Height/Angle | pc | 3 | 1,500.00 | 4,500.00 |
| 94 | Laptop, 14" (i7) | unit | 1 | 75,000.00 | 75,000.00 |
| | ☑Processor: Intel Core i7 10th generation or higher | | | | |
| | ☑Graphics: NVIDIA GeForce MX250 at least 2GB GDDR5 | | | | |
| | ☑Memory: at least 8GB DDR4-2666 | | | | |
| | ☑Storage: at least 256GB SSD M.2 + 1TB HDD | | | | |
| | ☑Display: 14" FHD (1920x1080) IPS 250nits Anti-glare | | | | |
| | ☑Touchscreen: None | | | | |
| | ☑Optical: None | | | | |
| | ☑Media Reader: 4-in-1 Card Reader | | | | |
| | ☑Ethernet: None | | | | |
| | ☑WLAN + Bluetooth | | | | |
| | ☑Camera: at least 720p | | | | |
| | ☑Microphone: at least 2x, Array | | | | |
| | ☑Operating System: licensed Windows 10 Home or Pro | | | | |
| | ☑Bundled Software: Microsoft Office Perpetual License | | | | |
| | ☑Repair and replacement should be at most 3 month from returning the unit | | | | |
| | ☑at least 3 years Warranty | | | | |
| | ☑FREE: Backpack | | | | |
| 95 | Laptop, 15.6", Full HD, Intel Core i7 | unit | 2 | 60,000.00 | 120,000.00 |
| | Display Size: 15.6 Full HD | | | | |
| | Resolution: 1920 x 1080 | | | | |
| | Processor: Intel Core i7-1255U | | | | |
| | Memo: 16GB RAM | | | | |
| | Solid State Drive: 1TB SSD | | | | |
| | Graphics Card: Nvidia MX550 2GB | | | | |
| | Operating System: Windows 11 | | | | |
| | Microsoft Office Home and Students 2021 | | | | |
| | Net weight: 1.75kg | | | | |
| | Gross Weight: 1.85kg | | | | |
| 96 | Laptop, Intel Core i5 10th Gen , 15.6" FHD | unit | 1 | 45,000.00 | 45,000.00 |
| | ☑Processor: Intel Core i5 10th gen processor or higher | | | | |
| | ☑Memory: 16GB DDR4 2400MHz or higher | | | | |
| | ☑Display: 15.6-inch full HD IPS 1920x1080 screen | | | | |
| | ☑Graphics card: NVIDIA Geforce MX350 2GB (GDDR5 video memory) or higher | | | | |

| | | | | | |
|------------|---|-------------|----------|------------------|-------------------|
| | ☑SSD: 512GB NVMe M2 | | | | |
| | ☑Network: wireless network card dual-band dual-antenna 802.11.ax (support 5G network); Bluetooth Bluetooth5.0 | | | | |
| | ☑Operating System: Genuine Windows 10 | | | | |
| 97 | Laptop, Intel Core i5 11th Gen, 15.6" FHD | unit | 2 | 45,000.00 | 90,000.00 |
| | ☑Processor: 11th Gen Intel® Core™ i5 or higher | | | | |
| | ☑Graphics: Intel® Iris® Xe Graphics | | | | |
| | ☑Display: 15.6" 1920x1080 resolution FHD IPS | | | | |
| | ☑Memory: 16GB DDR4 3200MHz or higher | | | | |
| | ☑Storage: 512GB M.2 SSD or higher | | | | |
| | ☑Keyboard and Touchpad: Not Backlight | | | | |
| | ☑Audio: Realtek Audio | | | | |
| | ☑Camera: 720P HD | | | | |
| | ☑Wireless Connectivity: Wi-Fi 5 and Bluetooth 4.0-4.2 | | | | |
| | ☑Operating System: Genuine Windows 10 | | | | |
| 98 | LCD Projector (XGA), 3LCD Technology | unit | 5 | 25,000.00 | 125,000.00 |
| | ☑Projection System Technology: RGB liquid crystal shutter projection system (3LCD), 3-chip technology | | | | |
| | ☑White Light Output (Normal/Eco):3,600 lm | | | | |
| | ☑Colour Light Output:3,600 lm | | | | |
| | ☑Resolution XGA, at least 1024 x 768, | | | | |
| | ☑Analog Input:D-Sub 15pin: 1 | | | | |
| | ☑Digital Input:HDMI: 1 | | | | |
| | ☑LCD:Native Resolution: XGA (1024 x 768) | | | | |
| | ☑Size: 0.55" (C2fine) | | | | |
| | ☑Lightsource:Type: 210W UHE | | | | |
| | ☑Life (Normal / Eco): 6,000 / 12,000 hours | | | | |
| | ☑Aspect Ratio:4:3 | | | | |
| | ☑USB Interface:USB Type B: 1 (For Firmware Update, Copy OSD Settings) | | | | |
| | ☑Analog Input:D-Sub 15pin: 1 | | | | |
| | ☑Digital Input:HDMI: 1 | | | | |
| 99 | LCD Projector, XGA (1024x768) | unit | 1 | 27,000.00 | 27,000.00 |
| | ☑Projection Method: Front/rear/ceiling mount | | | | |
| | ☑Pixel Number: at least 786,432 dots (1024 x 768) x 3 | | | | |
| | ☑Color Brightness: 3.600 lumen- 2.235 lumen (economy) In accordance with IDMS15.4 | | | | |
| | ☑Aspect ratio: 4:3 | | | | |
| | ☑Lamp Life: ECO Mode up to 5000 hrs | | | | |
| | ☑Normal Mode up to 4000 hrs | | | | |
| | ☑Projection Distance Wide/Tele: 1,8 m - 2,17 m (60 inch screen) | | | | |
| | ☑Keystone Correction: Manual | | | | |
| | ☑USB Plug 'n Play: Compatible w/ PC and MAC computers | | | | |
| | ☑Contrast Ratio: 15.000 : 1 | | | | |
| | ☑Color Reproduction: 16.77 million color | | | | |
| 100 | LED Voltage Tester | unit | 1 | 4,000.00 | 4,000.00 |

| | | | | | |
|-----|---|------|---|-----------|------------|
| | LED Voltage Tester | | | | |
| | 600V AC/DC, Continuity Check, Battery Powered | | | | |
| | CAT III 100V, CAT IV 600 | | | | |
| 101 | Microsoft Office Home & Student 2019, 1 Perpetual License, Medialess | pc | 1 | 7,500.00 | 7,500.00 |
| | ☐One-time purchase for 1 PC or Mac | | | | |
| | ☐Classic 2019 versions of Word, Excel, and PowerPoint | | | | |
| | ☐Microsoft support included for 60 days at no extra cost | | | | |
| | ☐Licensed for home use | | | | |
| 102 | Mirrorless Camera, 24MP APS-C | unit | 2 | 50,000.00 | 100,000.00 |
| | ☐24.1MP APS-C CMOS Sensor | | | | |
| | ☐Digital Imaging Integrated Circuit (DIGIC) 8 Image Processor | | | | |
| | ☐UHD 4K and HD 720p120 Video Recording | | | | |
| | ☐Dual Pixel CMOS AF with Eye Detect AF | | | | |
| | ☐2.36m-Dot OLED Electronic Viewfinder | | | | |
| | ☐3.0" 1.04m-Dot Vari-Angle Touchscreen | | | | |
| | ☐Wi-Fi and Bluetooth; Webcam Capability | | | | |
| | ☐Extended ISO 51200, 10 fps Shooting | | | | |
| | ☐Combination 5-Axis Image Stabilization | | | | |
| | ☐Includes EF-M 15-45mm f/3.5-6.3 IS STM Lens | | | | |
| 103 | Mouse, Wired, Optical, USB | pc | 5 | 210.00 | 1,050.00 |
| | ☐USB Port Connectivity | | | | |
| | ☐Sensor: Optical | | | | |
| | ☐DPI: 1600 | | | | |
| | ☐Work method: Wired | | | | |
| | ☐Buttons: Left button, middle button, right button | | | | |
| | ☐Scroll wheel direction: Two way | | | | |
| | ☐Design highlights: Easy installation. 1600 DPI high-definition tracking engine. Anti-slip scroll wheel. Full-size, ambidextrous design | | | | |
| 104 | PC monitor and CPU merged with OS, office, UPS, keyboard & mouse, 3 in 1 printer | lot | 3 | 95,000.00 | 285,000.00 |
| | 1. Computer Monitor | | | | |
| | Item Specification | | | | |
| | Size: 21.5" | | | | |
| | Panel Type: VA | | | | |
| | Resolution: 1920x1080 (FHD) | | | | |
| | Refresh Rate: 75Hz | | | | |
| | Response Time: 5MS | | | | |
| | Interface: VGA, HDMI | | | | |
| | With a slim and 3-sided frameless design | | | | |
| | Flicker Free and Low Blue Mode eye protection technology | | | | |
| | VESA mount compatibility | | | | |
| | 2. UPS | | | | |
| | Item Specification | | | | |
| | ☐Output Power Capacity: 550 Watts/1100 VA | | | | |
| | ☐Max Configurable Power: 550 Watts/1100 VA 2 years' | | | | |

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|--|--|--|--|--|
| warranty | | | | |
| ☑Nominal Output Voltage: 230V | | | | |
| ☑Output Connections:(2) IEC 320 C13 (Battery Backup) (4) Universal Receptacle (Battery Backup) | | | | |
| ☑Nominal Input Voltage: 230V | | | | |
| ☑At most 4 hours charging time | | | | |
| 3. Keyboard And Mouse Combo Bundle, USB | | | | |
| Item Specification | | | | |
| ☑Keyboard | | | | |
| ◀Keycaps: A-Shape, Round Edge | | | | |
| ◀Hotkeys: No | | | | |
| ◀Character: Laser Engraving | | | | |
| ◀Adjustable Keyboard Legs: Yes | | | | |
| ◀Rating: 5 V / 30 mA | | | | |
| ☑Mouse | | | | |
| ◀Report Rate: 125 Hz | | | | |
| ◀Sensor: Optical | | | | |
| ◀Resolution: 1000 DPI | | | | |
| ◀Rating: 5 V / 100 mA | | | | |
| ◀Buttons No.: 3 | | | | |
| ◀Ergonomic Design: Symmetric | | | | |
| ◀Size: Middle / Big Hands | | | | |
| 4. CPU merge with OS and Offices | | | | |
| Item Specification | | | | |
| ☑AMD A10-8770 Processor | | | | |
| ☑Motherboard compatible with the processor | | | | |
| ☑Kingston 4GB DDR4-2666 Memory | | | | |
| ☑CPU Casing w/ PSU | | | | |
| ☑256GB SSD | | | | |
| 5. Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy) | | | | |
| Item Specification | | | | |
| ☑Tank Ink System | | | | |
| ☑Printer Type: Print, Scan and Copy | | | | |
| ☑Scanner Type: Flatbed colour image scanner | | | | |
| ☑Sensor Type: CIS | | | | |
| ☑Optical Resolution: 600 x 1200 dpi | | | | |
| ☑Copy Speed: Maximum Copies from Standalone: 20 copies | | | | |
| ☑Maximum Copy Size: A4, Letter | | | | |
| ☑ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.0 ipm / 1.7 ipm | | | | |
| ☑Max Copy Resolution: 300 x 300 dpi | | | | |
| ☑Paper Handling: Up to 20 Sheets-Premium Glossy Photo Paper 10 Sheets-Envelope, 30 Sheets-Postcard | | | | |
| ☑Output Capacity: Up to 30 sheets | | | | |
| ☑A4 plain paper: 20 sheets, Premium Glossy Photo Paper | | | | |
| ☑Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24") | | | | |
| ☑Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles | | | | |

| | | | | | |
|------------|---|-------------|----------|------------------|------------------|
| | <i>per colour (Cyan, Magenta, Yellow)</i> | | | | |
| | ☐ <i>Print Direction: Bi-directional printing</i> | | | | |
| | ☐ <i>Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology)</i> | | | | |
| | ☐ <i>Minimum Ink Droplet Size: 3 pl</i> | | | | |
| 105 | Power Supply, 700W Generic | pc | 2 | 700.00 | 1,400.00 |
| | ☐ <i>Max Output: 700watts</i> | | | | |
| | ☐ <i>Input Voltage: 180-240v</i> | | | | |
| | ☐ <i>Current: 5A</i> | | | | |
| | ☐ <i>ATX PSU</i> | | | | |
| 106 | Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy) | unit | 2 | 11,000.00 | 22,000.00 |
| | ☐ <i>Tank Ink System</i> | | | | |
| | ☐ <i>Printer Type: Print, Scan and Copy</i> | | | | |
| | ☐ <i>Scanner Type: Flatbed colour image scanner</i> | | | | |
| | ☐ <i>Sensor Type: CIS</i> | | | | |
| | ☐ <i>Optical Resolution: 600 x 1200 dpi</i> | | | | |
| | ☐ <i>Copy Speed: Maximum Copies from Standalone: 20 copies</i> | | | | |
| | ☐ <i>Maximum Copy Size: A4, Letter</i> | | | | |
| | ☐ <i>ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.0 ipm / 1.7 ipm</i> | | | | |
| | ☐ <i>Max Copy Resolution: 300 x 300 dpi</i> | | | | |
| | ☐ <i>Paper Handling: Up to 20 Sheets-Premium Glossy Photo Paper 10 Sheets-Envelope, 30 Sheets-Postcard</i> | | | | |
| | ☐ <i>Output Capacity: Up to 30 sheets</i> | | | | |
| | ☐ <i>A4 plain paper: 20 sheets, Premium Glossy Photo Paper</i> | | | | |
| | ☐ <i>Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24")</i> | | | | |
| | ☐ <i>Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)</i> | | | | |
| | ☐ <i>Print Direction: Bi-directional printing</i> | | | | |
| | ☐ <i>Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology)</i> | | | | |
| | ☐ <i>Minimum Ink Droplet Size: 3 pl</i> | | | | |
| 107 | Printer, Wi-Fi Duplex All-in-One Ink | unit | 3 | 16,000.00 | 48,000.00 |
| | <i>Printer Type:Print, Scan, Copy</i> | | | | |
| | <i>Print Method:On-demand inkjet (piezoelectric)</i> | | | | |
| | <i>Printer Language:ESC/P-R, ESC/P Raster</i> | | | | |
| | <i>Nozzle Configuration:180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow)</i> | | | | |
| | <i>Maximum Resolution:5760 x 1440 dpi</i> | | | | |
| | <i>Automatic 2-sided Printing:Yes (Up to A4)</i> | | | | |
| | <i>Scanner Type:Flatbed colour image scanner</i> | | | | |
| | <i>Sensor Type:CIS</i> | | | | |
| | <i>Optical Resolution:1200 x 2400 dpi</i> | | | | |
| | <i>USB:USB 2.0</i> | | | | |
| | <i>Network:Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct</i> | | | | |
| | <i>Network Protocol:TCP/IPv4, TCP/IPv6</i> | | | | |

| | | | | | |
|------------|--|-------------|----------|------------------|------------------|
| | LCD Screen:1.44" Colour LCD Screen | | | | |
| 108 | Rechargeable Wireless Keyboard and Mouse Set | unit | 2 | 950.00 | 1,900.00 |
| | ☑Rechargeable Office Wireless Keyboard and Mouse Set | | | | |
| | ☑Size: 284*121*16.mm | | | | |
| | ☑Weight: 280g | | | | |
| | ☑Connection method: USB receiver/Bluetooth | | | | |
| 109 | Scanner | unit | 2 | 35,000.00 | 70,000.00 |
| | * Automate workflow with fast, two-sided scanning | | | | |
| | * With 50-page ADF, 1,500-page daily duty cycle, and one-button shortcuts | | | | |
| | * Can produce up to 40 images per minute ¹ with two-sided scanning and a 50-page automatic document feeder. | | | | |
| | * Can scan pages up to 8.5 x 122 inches (21.6 cm x 309.9 cm) through the ADF, | | | | |
| | * And can use the flatbed for bulky media. | | | | |
| 110 | SSD | pc | 3 | 1,500.00 | 4,500.00 |
| | SSD 256GB for Desktop Computer; | | | | |
| 111 | Network-attached Storage (4 - Bay) | pc | 1 | 36,000.00 | 36,000.00 |
| | CPU Model: Intel Celeron J4125 | | | | |
| | CPU Frequency: 4-core 2.0 (base) / 2.7 (burst) GHz | | | | |
| | Hardware Encryption Engine (AES-NI) | | | | |
| | System Memory: 2 GB DDR4 non-ECC | | | | |
| | Total Memory Slots 1 | | | | |
| | Maximum Memory Capacity 6 GB (2 GB + 4 GB) | | | | |
| | 4 Drive Bays | | | | |
| | 2 M.2 Drive Slots (NVMe) | | | | |
| | Compatible to Most Drive types (3.5" SATA HDD, 2.5" SATA SSD, M.2 2280 NVMe SSD) | | | | |
| | Internal Drives : Btrfs EXT4 | | | | |
| | External Drives : Btrfs EXT4 EXT3 FAT NTFS HFS+ exFAT | | | | |
| | Hot Swappable Drive | | | | |
| | 2 RJ-45 1GbE LAN Port | | | | |
| | USB 3.2 Gen 1 Ports | | | | |
| | 3-year hardware warranty | | | | |
| 112 | Temperature Controller, Digital PID | set | 2 | 1,500.00 | 3,000.00 |
| | Measuring accuracy: +/-0.5%FS | | | | |
| | Cold-end compensation tolerance: +/-2 Celsius (can be modified by software in 0~50 Celsius) | | | | |
| | Resolution: 14 bit | | | | |
| | Sampling cycle: 0.5 Sec | | | | |
| | Power : AC 100-240V 50/60HZ | | | | |
| | Process value (PV), Setting value (SV) | | | | |
| | PIN control (including ON/OFF, step-type PID and continuous PID) | | | | |
| | Self-tuning control | | | | |
| | Relay output: contact capacity 250V AC 3A (resistive load) | | | | |
| | Proportional band (P): 0~full range (ON/OFF control when set to | | | | |

| | | | | | |
|-----|--|--------|---|-----------|-----------|
| | 0) | | | | |
| | Detective temperature range: 0 to 400 Celsius | | | | |
| | Insulation resistance: more than the 50M ohm(500V DC) | | | | |
| | Insulation resistance : 1500V AC/min | | | | |
| | Insulation resistance : Power Consumption Less than 10 VA | | | | |
| | Service environment: 0~50 Celsius | | | | |
| | environment with no corrosive gas 30~85% RH | | | | |
| | Aluminum Alloy Heat Sink | | | | |
| 113 | Toner MP 2014H NRG Brand | btls | 2 | 3,700.00 | 7,400.00 |
| | MP2014H Series/MP2700/MP2701; | | | | |
| 114 | Toner, NPG 67, Black for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine | pieces | 2 | 8,400.00 | 16,800.00 |
| 115 | Toner, NPG 67, Cyan for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine | pieces | 2 | 10,500.00 | 21,000.00 |
| 116 | Toner, NPG 67, Magenta for Canon C3320 Image Runner advance (photocopier, printer/scanner)machine | pieces | 2 | 10,500.00 | 21,000.00 |
| 117 | Toner, NPG 67, Yellow for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine | pcs | 1 | 10,500.00 | 10,500.00 |
| 118 | Transverse Armoured Stripping Knife 8-28MM Optic Stripper FTTH Armored Fiber Cable Slitter | pc | 2 | 1,500.00 | 3,000.00 |
| | Measuring accuracy: +/-0.5%FS | | | | |
| | Cold-end compensation tolerance: +/-2 Celsius (can be modified by software in 0~50 Celsius) | | | | |
| | Resolution: 14 bit | | | | |
| | Sampling cycle: 0.5 Sec | | | | |
| | Power : AC 100-240V 50/60HZ | | | | |
| | Process value (PV), Setting value (SV) | | | | |
| | PIN control (including ON/OFF, step-type PID and continuous PID) | | | | |
| | Self-tuning control | | | | |
| | Relay output: contact capacity 250V AC 3A (resistive load) | | | | |
| | Proportional band (P): 0~full range (ON/OFF control when set to 0) | | | | |
| | Detective temperature range: 0 to 400 Celsius | | | | |
| | Insulation resistance: more than the 50M ohm(500V DC) | | | | |
| | Insulation resistance : 1500V AC/min | | | | |
| | Insulation resistance : Power Consumption Less than 10 VA | | | | |
| | Service environment: 0~50 Celsius | | | | |
| | environment with no corrosive gas 30~85% RH | | | | |
| | Aluminum Alloy Heat Sink | | | | |
| 119 | Tripod | unit | 1 | 10,000.00 | 10,000.00 |
| | 5.5 lb Capacity Flat Base Tripod Head | | | | |
| | Aluminum 4-Section Tripod Legs | | | | |
| | Fully Convertible to a Monopod | | | | |
| | 21.3 to 65" Height Range | | | | |
| | Independent Pan and Tilt Locks | | | | |
| | Rubber and Spiked Feet | | | | |
| | Left/Right Pan Bar Rosette Mounts | | | | |

| | | | | | |
|-----|--|------|----|-----------|-----------|
| | Carry Case Included | | | | |
| | Maximum Working Height: 65" / 165.1 cm | | | | |
| 120 | Ubiquiti Unifi HD Access Point 802.11 AC Wave 2 MU-MIMO Indoor (UAP-AC-HD) | unit | 1 | 25,000.00 | 25,000.00 |
| | ☑Networking Interface (2) 10/100/1000 Ethernet Ports Buttons Reset Power Method 802.3at PoE+ Supported Voltage Range 44 to 57VDC | | | | |
| | ☑Power Supply UniFi Switch (PoE) Power Save Supported Beamforming Supported Maximum Power Consumption 17W TX Power 2.4 GHz 5 GHz 6-25 dBm 6-25 dBm Antennas 2.4 GHz 5 GHz (2) Dual-Port, Dual-Polarity Antennas, 3 dBi each (2) Dual-Port, Dual-Polarity Antennas, 4 dBi each Wi-Fi Standards 802.11 a/b/g/n/r/k/v/ac/ac-wave2 Wireless Security WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES) 802.11w/PMF BSSID Up to 8 | | | | |
| | ☑Radio Mounting Wall/Ceiling (Kits Included) | | | | |
| | ☑Operating Temperature -10 to 70° C (14 to 158° F) | | | | |
| | ☑Operating Humidity 5 to 95% Noncondensing | | | | |
| | ☑Certifications CE, FCC, IC Advanced Traffic Management VLAN 802.1Q Advanced QoS Per-User Rate Limiting Guest Traffic Isolation Supported WMM Voice, Video, Best Effort, and Background Concurrent Clients 1000+ Supported Data Rates (Mbps)Standard Data Rates 802.11a 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n 6.5 Mbps to 450 Mbps (MCS0 - MCS23, HT 20/40) 802.11ac 6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80) 58 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 160) 802.11b 1, 2, 5.5, 11 Mbps 802.11g 6, 9, 12, 18, 24, 36, 48, 54Mbps | | | | |
| | ☑Should be compatible with the existing fleet of Unifi Access Points and Controller | | | | |
| 121 | Universal HDMI to VGA Adapter Cable, at least 1.8 meters | pc | 3 | 300.00 | 900.00 |
| 122 | UPS | unit | 2 | 7,000.00 | 14,000.00 |
| | ☑Output Power Capacity: 550 Watts/1100 VA | | | | |
| | ☑Max Configurable Power: 550 Watts/1100 VA 2 years' warranty | | | | |
| | ☑Nominal Output Voltage: 230V | | | | |
| | ☑Output Connections:(2) IEC 320 C13 (Battery Backup) (4) Universal Receptacle (Battery Backup) | | | | |
| | ☑Nominal Input Voltage: 230V | | | | |
| | ☑At most 4 hours charging time | | | | |
| 123 | UPS 800W (for Computer) | unit | 4 | 5,000.00 | 20,000.00 |
| | ☑Charging time: At most 4 hours; | | | | |
| 124 | UPS Battery, Generic, 7.2Ah | pcs | 10 | 1,000.00 | 10,000.00 |
| | Voltage: 12VCapacity: 7.2AhBattery Type: Sealed Lead Acid Maintenance Free | | | | |
| 125 | UPS, 1000 VA | unit | 8 | 3,000.00 | 24,000.00 |
| | ☑1000VA/600W capacity | | | | |
| | ☑Frequency Range: 60 Hz | | | | |
| | ☑Freq. Range (Batt. Mode): 60 Hz ± 1 Hz | | | | |
| | ☑Transfer Time: Typical 4-8 ms | | | | |
| | ☑Waveform (Batt. Mode): Simulated Sine Wave | | | | |

| | | | | | |
|------------|--|-------------|----------|-----------------|------------------|
| | ☐Back-up Runtime: 10-15 mins | | | | |
| | ☐Voltage: 220 VAC | | | | |
| | ☐Voltage Range: 162-270 VAC | | | | |
| 126 | UPS, 650VA, Universal Sockets | pc | 4 | 2,800.00 | 11,200.00 |
| | Output Power Capacity: 325 Watts/650VA | | | | |
| | Output Frequency: 50/60 Hz +/-1 Hz | | | | |
| | Output Connections: (2) Universal Receptacle | | | | |
| | Nominal Input Voltage: 230V | | | | |
| | Input Connections: NEMA 5-15P | | | | |
| | Maximum Input Current: 5A | | | | |
| | Battery Type: Maintenance-free sealed Lead-Acid battery with suspended electrolyte leakproof | | | | |
| | Recharging Time: 4 Hours | | | | |
| 127 | UPS, at least 500 w | pc | 4 | 2,550.00 | 10,200.00 |
| | Recharging Time: at most 4 Hours; | | | | |
| 128 | VOIP Phone | unit | 2 | 6,000.00 | 12,000.00 |
| | ☐1-Line PoE+ SIP VOIP Phone SPA MAC address (IEEE 802.3) with lifetime warranty | | | | |
| | ☐IPv4 (RFC 791)Integrated web server provides web-based administration and configuration | | | | |
| | ☐Telephone keypad configuration via display menu/navigation | | | | |
| | ☐Automated provisioning and upgrade via HTTPS, HTTP, TFTP | | | | |
| | ☐Asynchronous notification of upgrade availability via NOTIFY | | | | |
| | ☐Nonintrusive in-service upgrades | | | | |
| | ☐Report generation and event logging | | | | |
| | ☐Statistics transmitted in BYE message | | | | |
| | ☐Syslog and debug server records: configurable per line | | | | |
| | ☐Address Resolution Protocol (ARP) | | | | |
| | ☐DNS: A record (RFC 1706), SRV record (RFC 2782) | | | | |
| | ☐Dynamic Host Configuration Protocol (DHCP) client (RFC 2131) | | | | |
| | ☐Internet Control Message Protocol (ICMP) (RFC 792) | | | | |
| | ☐TCP (RFC 793) | | | | |
| | ☐User Datagram Protocol (UDP) (RFC 768) | | | | |
| | ☐Real-Time Transport Protocol (RTP) (RFC 1889, 1890) | | | | |
| | ☐Real-Time Control Protocol (RTCP) (RFC 1889) | | | | |
| | ☐Differentiated Services (DiffServ) (RFC 2475) | | | | |
| | ☐Type of service (ToS) (RFC 791, 1349) | | | | |
| | ☐VLAN tagging 802.1p/Q: Layer 2 quality of service (QoS) | | | | |
| | ☐Simple Network Time Protocol (SNTP) (RFC 2030)SIP version 2 (RFC 3261, 3262, 3263, 3264) | | | | |
| | ☐SPCP with the Cisco Unified Communications 500 Series | | | | |
| | ☐SIP proxy redundancy: dynamic via DNS SRV, A records | | | | |
| | ☐Reregistration with primary SIP proxy server | | | | |
| | ☐SIP support in NAT networks (including STUN) | | | | |
| | ☐SIPFrag (RFC 3420) | | | | |
| | ☐Secure (encrypted) calling via SRTP | | | | |

| | | | | | |
|------------|---|-------------|----------|------------------|------------------|
| | ☐Codec name assignment | | | | |
| | ☐Voice algorithms: | | | | |
| | ☐G.711 (A-law and μ -law) | | | | |
| | ☐G.726 (16/24/32/40 kbps) | | | | |
| | ☐G.729 A | | | | |
| | ☐G.722 | | | | |
| | ☐Dynamic payload support | | | | |
| | ☐Adjustable audio frames per packet | | | | |
| | ☐Dual-tone multifrequency (DTMF), in-band and out-of-band (RFC 2833) (SIP INFO) | | | | |
| | ☐Flexible dial plan support with interdigit timers | | | | |
| | ☐IP address/URI dialing support | | | | |
| | ☐Call progress tone generation | | | | |
| | ☐Jitter buffer: adaptive | | | | |
| | ☐Frame loss concealment | | | | |
| | ☐Comfort Noise Generation (CNG) | | | | |
| | ☐Voice activity detection (VAD) with silence suppression | | | | |
| | ☐Attenuation/gain adjustments | | | | |
| | ☐VMWI - Voicemail Waiting Indicator, via NOTIFY, SUBSCRIBE | | | | |
| | ☐Caller ID support (name and number) | | | | |
| | ☐Third-party call control (RFC 3725) | | | | |
| | ☐Should be compatible with existing fleet of VSU IP Phones | | | | |
| 129 | VoIP, Telephone | unit | 2 | 15,000.00 | 30,000.00 |
| | Features | | | | |
| | Display: White backlit, greyscale, 3.5-inch (396x162 pixels) display | | | | |
| | Call Appearance: 16 voice lines | | | | |
| | Fixed Feature Buttons: Messaging, Service, Directory, Hold/Resume, Transfer, Conference, Volume Control, Speakerphone, Headset, and Mute | | | | |
| | Navigation Keys: Two-way navigation and select keys | | | | |
| | Programmable Line/Feature Keys: 16 programmable keys that support either lines (such as directory numbers), or call features (such as speed dialing). | | | | |
| | Programmable Softkeys: 4 buttons | | | | |
| | Button Module Expansion: No | | | | |
| | Speakerphone: Includes high-quality, 2-way speakerphone | | | | |
| | Audio: Wideband audio enhances clarity with the handset, speaker, or headset | | | | |
| | Codecs: G.711 (A-law and μ -law), G.722.2, G.722, G.729ab, ILBC, iSAC, OPUS, Narrowband Opus DTMF: In-band, out-of-band (RFC 2833), and SIP INFO Early Media and Preconditions MOS Score Reporting (Telchemy) | | | | |
| | Wall-Mountable: Yes, requires optional Cisco 7800 Series Wall Mount Kit | | | | |
| | Ethernet Connectivity: Dual Ethernet (10/100) line interface (PC Pass Through & Network Connection) | | | | |
| | Headset Port: Includes RJ9 headset port with EHS support | | | | |
| | Message Waiting Indicator: Yes | | | | |

| | | | | | |
|------------|---|-------------|----------|------------------|------------------|
| | Adjustable Tilt Display: No | | | | |
| | Network Security: Certificates, Image authentication, Device authentication, File authentication, Signaling authentication, Media encryption using Secure Real-Time Transfer Protocol (SRTP) using AES-128, Signaling encryption using Transport Layer Security (TLS) Protocol using AES-128 or AES-256, Encrypted configuration files, 802.1X authentication, Cryptography | | | | |
| | POWER REQUIREMENTS | | | | |
| | Supports 802.3af Power-over-ethernet (PoE) | | | | |
| | Can also be powered via optional power adapter if PoE is not available on your network (power supply sold separately – see accessories above) | | | | |
| | System Compatibility | | | | |
| | MUST have with Multiplatform Phone Firmware | | | | |
| | Compatible with existing VSU fleet | | | | |
| 130 | Web Camera for Laptop and Desktop | pcs | 2 | 720.00 | 1,440.00 |
| | ☐About 360 degrees, rotate up and down 45 degrees, you can adjust the angle. | | | | |
| | ☐With clips for laptops and desktops. | | | | |
| | ☐Sensor pixels: 2 million | | | | |
| | ☐Interface: USB 2.0 | | | | |
| | ☐Frame rate: 30 FPS | | | | |
| | ☐Image sensor: CMOS | | | | |
| | ☐Brightness/color: automatically adjusts | | | | |
| | ☐Additional features: built-in microphone | | | | |
| 131 | Wifi Access Point (Existing fleet of VSU Access Points) | unit | 3 | 12,000.00 | 36,000.00 |
| | UAP-nanoHD | | | | |
| | Dimensions: 160 x 160 x 32.65 mm (6.30 x 6.30 x 1.29") | | | | |
| | Weight: 300 g (10.6 oz) | | | | |
| | With Mounting Kits: 315 g (11.1 oz) | | | | |
| | Networking Interface: (1) 10/100/1000 Ethernet Port | | | | |
| | Buttons: Reset | | | | |
| | Power Method: 802.3af PoE | | | | |
| | Power Supply: UniFi Switch (PoE) | | | | |
| | Power Save: Supported | | | | |
| | Beamforming: Supported | | | | |
| | Maximum Power Consumption: 10.5W | | | | |
| | Supported Voltage Range: 44 to 57VDC | | | | |
| | TX Power | | | | |
| | 2.4 GHz: 23 dBm | | | | |
| | 5 GHz: 26 dBm | | | | |
| | MIMO | | | | |
| | 2.4 GHz: 2x2 | | | | |
| | 5 GHz: 4x4 | | | | |
| | Radio Rates | | | | |
| | 2.4 GHz: 300 Mbps | | | | |
| | 5 GHz: 1733 Mbps | | | | |

| | | | | | |
|------------|---|-------------|----------|-------------------|-------------------|
| | Antennas | | | | |
| | 2.4 GHz: (2) Single-Port, Single-Polarity Antennas, 2.8 dBi each | | | | |
| | 5 GHz: (2) Single-Port, Dual-Polarity Antennas, 3 dBi each | | | | |
| | Wi-Fi Standards: 802.11 a/b/g/n/r/k/v/ac/ac-wave2 | | | | |
| | Wireless Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES), 802.11w/PMF | | | | |
| | BSSID: 8 per Radio | | | | |
| | Mounting: Wall/Ceiling (Kits Included) | | | | |
| | Operating Temperature: -10 to 70 C (14 to 158 F) | | | | |
| | Operating Humidity: 5 to 95% Noncondensing | | | | |
| | Certifications: CE, FCC, IC | | | | |
| | Advanced Traffic Management | | | | |
| | VLAN: 802.1Q | | | | |
| | Advanced QoS: Per-User Rate Limiting | | | | |
| | Guest Traffic Isolation: Supported | | | | |
| | WMM: Voice, Video, Best Effort, and Background | | | | |
| | Concurrent Clients: 200+ | | | | |
| | Supported Data Rates (Mbps) | | | | |
| | Standard Data Rates | | | | |
| | 802.11a 6,9,12,18,24,36,48,54 Mbps | | | | |
| | 802.11n 6.5 Mbps to 300 Mbps (MCS0-MCS15, HT 20/40) | | | | |
| | 802.11ac 6.5 Mbps to 1.7 Gbps (MCS0-MCS9 NSS1/2/3/4, VHT 20/40/80) | | | | |
| | 58 Mbps to 1.7 Gbps (MCS0-MCS9 NSS1/2, VHT 160) | | | | |
| | 802.11b 1, 2, 5.5, 11 Mbps | | | | |
| | 802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps | | | | |
| 132 | WiFi router | unit | 1 | 2,500.00 | 2,500.00 |
| | ☑Wired standard: IEEE802.3, IEEE802.3u | | | | |
| | ☑Interface: 10 / 100Mbps WAN port * 1 10/100Mbps LAN ports*3 | | | | |
| | ☑Antenna: 6dBi external dual-frequency omnidirectional antenna * 5 | | | | |
| | ☑Button: WiFi on / off * 1, WPS / Reset button * 1 | | | | |
| 133 | Wireless Optical Mouse | pc | 1 | 1,000.00 | 1,000.00 |
| | ☑Adjustable 500/1000 DPI high-definition tracking engine | | | | |
| | ☑Reliable 2.4GHz wireless connection, perfect for anti-jamming | | | | |
| | ☑Supports 4D scroll wheel and optical buttons No installation software or drivers required: plug and play | | | | |
| | ☑Powered by AA alkaline batteries, you can use this mouse with only one battery | | | | |
| 134 | Drone (Professional Quadcopter With 5.5" Screen) | unit | 2 | 260,000.00 | 520,000.00 |
| | Ready To Fly. | | | | |
| | Obstacle sensing: 5-way. | | | | |
| | Obstacle avoidance: 4-way. | | | | |
| | Redundant sensors: obstacle avoidance, dual compasses, dual IMUs. | | | | |

| | | | | | |
|------------|---|-------------|----------|-----------------|------------------|
| | Range: 4.3 miles. | | | | |
| | Maximum flight time: 30 minutes. | | | | |
| | Top speed: 45 mph. | | | | |
| | Big 1-inch sensor. | | | | |
| | 5.5-inch video monitor for controller. | | | | |
| | 4K video @ 60fps. | | | | |
| | 20MP stills, up to 14fps bursts. | | | | |
| | Mechanical shutter that eliminates rolling distortion. | | | | |
| | Wireless compatibility | | | | |
| | Active-Track for locking onto and tracking subjects. | | | | |
| 135 | USB 3.0 Hub, 7 Ports | unit | 2 | 1,500.00 | 3,000.00 |
| | ☐USB 3.0 HUB, 7 Ports, High Speed Strong Power USB HUB 3.0 | | | | |
| | ☐Up to 5Gbps Super-Speed, High speed 480Mbps, Full Speed 12Mbps, and Low Speed 1.5Mbps Transmission | | | | |
| | ☐Support 2TB large capacity HDD | | | | |
| | ☐Plug and Play, No driver required | | | | |
| | ☐compatible with windows series, Mac OS, Linux, | | | | |
| | ☐Interface independent switch design | | | | |
| | ☐DC 5V power supply port | | | | |
| 136 | Computer HD Webcam | pc | 5 | 4,000.00 | 20,000.00 |
| | ☐1080P Full HD Webcam | | | | |
| | ☐Lens: HD lens | | | | |
| | ☐Sensor Type: CMOS | | | | |
| | ☐Video Format: AVI | | | | |
| | ☐Frame Rate: at least 30FPS | | | | |
| | ☐Drive Type: free drive. Plug and play | | | | |
| | ☐Photo Format: BMP JPG | | | | |
| | ☐Resolution: 1920 * 1080 P | | | | |
| | ☐Output Format: M-JPEG | | | | |
| | ☐Interface Type: USB2.0 | | | | |
| | ☐Microphone: Built-in microphone | | | | |
| | ☐Focusing Range: 20mm | | | | |
| 137 | Computer Motherboard - H310M H 2.0 | pc | 1 | 4,000.00 | 4,000.00 |
| 138 | Multimedia Speakers 2.0, 6W, USB powered | pair | 3 | 600.00 | 1,800.00 |
| | Total Output Power (RMS): 6W | | | | |
| | Satellite wattage (RMS):3W | | | | |
| | Satellite Driver : Size : 2.5" | | | | |
| | Frequency Range: 70-20000 Hz | | | | |
| | Interface: 3.5mm jack | | | | |
| | Housing material : ABS | | | | |
| | Controls: Overall Volume | | | | |
| | Power Supply: via USB, 5V | | | | |
| 139 | Thermal Receipt Printer | unit | 1 | 5,500.00 | 5,500.00 |
| | Receipt Ticket Thermal Printer | | | | |
| 140 | UPS 1200VA-650W Uninterruptible Power Supply | unit | 2 | 9,000.00 | 18,000.00 |
| | 5 outlets (4 universal, 1 IEC 60320 C13), 1200VA/650W, AVR | | | | |

| | | | | | |
|------------|---|--------------|----------|------------------|-------------------|
| | Technology, Surge Protection, Easy to use | | | | |
| | Output Capacity: 1200VA/650W | | | | |
| | Output (on battery): 220V-240V, 50/60Hz +/- 1Hz | | | | |
| | Input Power: 220V-240V, 50/60Hz +/- 5Hz (auto sensing) | | | | |
| | Surge: 273 J | | | | |
| | Battery recharge time: 8 hours | | | | |
| | No. of Outlets: 5 - 4 universal, 1 IEC 60320 C13 | | | | |
| | Dimension: 39 x 19 x 14 cm | | | | |
| | Battery Type: Lead-Acid | | | | |
| 141 | Window speaker intercom system | pc | 3 | 3,300.00 | 9,900.00 |
| | ☐Dual-way anti-interference intercommunication | | | | |
| | ☐Connection cable length: at least 8m / 26.25ft | | | | |
| | ☐Working voltage: DC12V / 500mA | | | | |
| | ☐Adapter: AC 110/220V 50/60Hz | | | | |
| | ☐Main sound (sub sound): 3W+3W | | | | |
| | ☐Microphone sensitivity: -48db 20Hz-16KHz | | | | |
| | ☐Material: aluminum alloy shell | | | | |
| 142 | UPS Battery Backup, 1500VA | units | 2 | 10,000.00 | 20,000.00 |
| | ☐ Capacity: at least 1500VA/900w | | | | |
| | Output voltage: 220 | | | | |
| | Output frequency: 57-63 Hz for 60 Hz (or 50/60 Hz ± 3 Hz Sync to mains) | | | | |
| | Input: 200 – 240 V, 50/60 HZ, 16.0 A maximum | | | | |
| | Input frequency: 50/60 Hz +/- 3 Hz Auto-sensing | | | | |
| | ☐6 battery backup sockets | | | | |
| | ☐USB, coax, phone/network, and serial ports | | | | |
| | ☐ with Automatic Voltage Regulation (AVR) | | | | |
| | ☐LCD screen | | | | |
| | ☐at most 4 hours charging time | | | | |
| 143 | Ink, Brother LC-539XL, Cyan | pc | 1 | 470.00 | 470.00 |
| 144 | Ink, Brother LC-539XL, Magenta | pc | 1 | 470.00 | 470.00 |
| 145 | Apple iPad 10.9 Wifi | unit | 4 | 49,900.00 | 199,600.00 |
| | ☐10.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology | | | | |
| | ☐2360-by-1640-pixel resolution at 264 pixels per inch (ppi) | | | | |
| | ☐8-core CPU; 8-core GPU Neural Engine 8GB RAM | | | | |
| | ☐256 GB storage | | | | |
| | ☐WiFi model | | | | |
| | ☐USB-C Charge Cable (1 meter) | | | | |
| | ☐20W USB-C Power Adapter | | | | |
| | ☐Compatible with existing Apple devices | | | | |
| 146 | Monitor, 27" IPS, 4K (3840 x 2160) | unit | 2 | 20,000.00 | 40,000.00 |
| | ☐Size (Inch): 27 Inch | | | | |
| | ☐Resolution: 3840 x 2160 | | | | |
| | ☐Panel Type: IPS | | | | |
| | ☐Aspect Ratio: 16:9 | | | | |
| | ☐Pixel Pitch: 0.1554 x 0.1554 mm | | | | |

| | | | | | |
|------------|---|-------------|----------|------------------|------------------|
| | ☑Brightness (Typ.): 300 cd/m ² | | | | |
| | ☑Color Gamut (Typ.): sRGB 98% (CIE1931). | | | | |
| | ☑Color Depth (Number of Colors): 1.07B | | | | |
| | ☑Contrast Ratio (Min.): 700:1 | | | | |
| | ☑Contrast Ratio (Typ.): 1000:1 | | | | |
| | ☑Response Time 5ms (GtG at Faster) | | | | |
| | ☑Viewing Angle (CR≥10) 178°(R/L), 178°(U/D) | | | | |
| | ☑Surface Treatment Anti-Glare | | | | |
| 147 | External Hard Disk Drive (Portable, 4TB), USB 3.1 | unit | 3 | 7,000.00 | 21,000.00 |
| | ☑Shock-absorbing | | | | |
| | ☑Interface: USB 3.1 (Max.5Gb/s) | | | | |
| | ☑Capacity: 4TB | | | | |
| | ☑Texture: Plastic/Rubber | | | | |
| | ☑Operating Voltage: DC 5V, 900mA | | | | |
| | ☑System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later | | | | |
| 148 | SDS: 8417M Micro Cut Paper Shredder | unit | 2 | 10,800.00 | 21,600.00 |
| | Paper Shredder | | | | |
| | Features: | | | | |
| | - Sheets / Pass: 17 Pages | | | | |
| | - Cut Type: Micro-Cut | | | | |
| | - Cut Size: 2mmx10mm | | | | |
| | - Security: High Security Level Din-P-5 | | | | |
| | - Users: 5+ | | | | |
| | - Bin Size: 26L | | | | |
| | - Safety: Safe touch function - stops shredder immediately when hand is detected too close to the paper opening | | | | |
| | - Shreds: Paper, staples, paper clips, CDs, credit cards | | | | |
| | - Warranty: 1 Year | | | | |
| | - LCD display, retractable cover guard, easy carry handles, bin level indicator, easy roll wheels | | | | |
| | What's in the box | | | | |
| | 1 x Shredder | | | | |
| | 1 x Manual | | | | |
| 149 | Computer Printer | unit | 1 | 15,000.00 | 15,000.00 |
| | ☑Compact integrated tank design | | | | |
| | ☑Print speeds up to 10.5ipm for black and 5.0ipm for colour | | | | |
| | ☑Auto-duplex printing | | | | |
| | ☑Wi-Fi & Wi-Fi Direct | | | | |
| | ☑Borderless Printing up to A4 size | | | | |
| | ☑Spill-free ink refilling | | | | |
| | ☑Warranty of 2 years or 30,000 pages, whichever comes first | | | | |
| | ☑Printer Type: | | | | |
| | ◀Print, Scan, Copy | | | | |
| | ☑Printing Technology: | | | | |
| | ☑Print Method: | | | | |
| | ◀On-demand inkjet (piezoelectric) | | | | |

| | | | | |
|--|--|--|--|--|
| ☐ <i>Minimum Ink Droplet Volume:</i> | | | | |
| ◀ 3 pl | | | | |
| ☐ <i>Printer Language:</i> | | | | |
| ◀ ESC / P-R | | | | |
| ☐ <i>Print Direction:</i> | | | | |
| ◀ <i>Bi-directional printing, Uni-directional printing</i> | | | | |
| ☐ <i>Nozzle Configuration:</i> | | | | |
| ◀ 180 nozzles Black, 59 nozzles per colour (Cyan, Magenta, Yellow) | | | | |
| ☐ <i>Maximum Resolution:</i> | | | | |
| ◀ 5760 x 1440 dpi (with Variable-Sized Droplet Technology) | | | | |
| ☐ <i>Automatic 2-sided Printing:</i> | | | | |
| ◀ Yes (up to A4) | | | | |
| ☐ <i>Print Speed:</i> | | | | |
| ☐ <i>Photo Default - 10 x 15 cm / 4 x 6 " *2:</i> | | | | |
| ◀ 1 Approx. 69 sec per photo (Border) *1 | | | | |
| ◀ Approx. 92 sec per photo (Borderless) *1 | | | | |
| ☐ <i>Draft, A4 (Black / Colour):</i> | | | | |
| ◀ Up to 33 ppm / 15 ppm *1 | | | | |
| ☐ <i>ISO 24734, A4 Simplex (Black / Colour):</i> | | | | |
| ◀ Up to 10.5 ipm / 5.0 ipm *1 | | | | |
| ☐ <i>ISO 24734, A4 Duplex (Black / Colour):</i> | | | | |
| ◀ Up to 6.0 ipm / 4.0 ipm *1 | | | | |
| ☐ <i>Copy Speed:</i> | | | | |
| ☐ <i>Copy Quality:</i> | | | | |
| ◀ Draft / Standard / Best Quality | | | | |
| ☐ <i>Maximum Copies from Standalone:</i> | | | | |
| ◀ 99 copies | | | | |
| ☐ <i>Reduction / Enlargement:</i> | | | | |
| ◀ 25 - 400%, Auto Fit Function | | | | |
| ☐ <i>Maximum Copy Size:</i> | | | | |
| ◀ A4, Letter | | | | |
| ☐ <i>ISO 29183, A4 Simplex Flatbed (Black / Colour):</i> | | | | |
| ◀ Up to 7.7 ipm / 3.8 ipm | | | | |
| ☐ <i>Max Copy Resolution:0</i> | | | | |
| ◀ 1440 x 720 dpi | | | | |
| ☐ <i>Scan Function:</i> | | | | |
| ☐ <i>Scanner Type:</i> | | | | |
| ◀ Flatbed colour image scanner | | | | |
| ☐ <i>Sensor Type:</i> | | | | |
| ◀ CIS | | | | |
| ☐ <i>Optical Resolution:</i> | | | | |
| ◀ 1200 x 2400 dpi | | | | |
| ☐ <i>Maximum Scan Area:</i> | | | | |
| ◀ 216 x 297 mm (8.5 x 11.7 ") | | | | |
| ☐ <i>Scanner Bit Depth (Colour):</i> | | | | |

| | | | | |
|---|--|--|--|--|
| ◀48-bit input, 24-bit output | | | | |
| ☐Scanner Bit Depth (Grayscale): | | | | |
| ◀16-bit input, 8-bit output | | | | |
| ☐Scanner Bit Depth (Black & White): | | | | |
| ◀16-bit input, 1-bit output | | | | |
| ☐Scan Speed: | | | | |
| ☐Flatbed (Black / Colour): | | | | |
| ◀200 dpi: 11 sec / 200 dpi: 28 sec | | | | |
| ☐Paper Handling: | | | | |
| ☐Number of Paper Trays: | | | | |
| ◀1 (Paper Cassette) | | | | |
| ☐Standard Paper Input Capacity: | | | | |
| ◀100 sheets, A4 Plain paper (80 g/m2) | | | | |
| ◀20 sheets, Premium Glossy Photo Paper | | | | |
| ☐Output Capacity: | | | | |
| ◀30 sheets, A4 Plain Paper | | | | |
| ◀20 sheets, Premium Glossy Photo Paper | | | | |
| ☐Maximum Paper Size: | | | | |
| ◀215.9 x 1200 mm (8.5 x 47.24 ") | | | | |
| ☐Paper Feed Method: | | | | |
| ◀Friction feed | | | | |
| ☐Paper Size: | | | | |
| ◀Legal, 8.5 x 13 ", Letter, A4, 195 x 270 mm, B5, A5, A6, 100 x 148 mm, B6, 5 x 7 ", 4 x 6 ", Envelopes #10, DL, C6 | | | | |
| ☐Print Margin: | | | | |
| ◀0 mm top, left, right, bottom via custom settings in printer driver (except plain paper) *3 | | | | |
| ☐Card Slot / USB Host Function: | | | | |
| ☐Type of Direct Printing: | | | | |
| ◀Memory Device | | | | |
| ☐Supported Memory Cards: | | | | |
| ◀SD Memory Card | | | | |
| ☐Printer Software: | | | | |
| ☐Operating System Compatibility: | | | | |
| ◀Windows XP / XP Professional x 64 Edition / Vista / 7 / 8 / 8.1 / 10 | | | | |
| ◀Windows Server 2003 / 2008 / 2012 / 2016 | | | | |
| ◀Only printing and scanning functions are supported for Windows Server OS | | | | |
| ◀Mac OS X 10.6.8 or later | | | | |
| ☐Interface: | | | | |
| ☐USB: | | | | |
| ◀USB 2.0 | | | | |
| ☐Network: | | | | |
| ◀Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct | | | | |
| ☐Network Protocol: | | | | |
| ◀TCP/IPv4, TCP/IPv6, LPD, IPP, PORT9100, WSD | | | | |

| | | | | | |
|------------|--|--------------|----------|------------------|-------------------|
| 150 | Printer All-inOne System With Wi-fi, ADF and Ink Tank system | unit | 1 | 25,000.00 | 25,000.00 |
| | ☐PRINTER TYPE: | | | | |
| | ◀Print, Scan, Copy, Fax with ADF | | | | |
| | ☐ISO PRINT SPEED (BLACK/COLOUR): | | | | |
| | ◀Up to 10 ipm / 5.0 ipm | | | | |
| | ☐ISO PRINT SPEED (BLACK/COLOUR): | | | | |
| | ◀Up to 7.7 ipm / 3.8 ipm | | | | |
| | ☐MAXIMUM COPY SIZE: Legal | | | | |
| | ☐SCAN SPEED (FLATBED / ADF): | | | | |
| | ◀12 sec / 4.5 ipm (black), 29 sec / 4.5 ipm (colour) | | | | |
| | ☐TYPE OF FAX: | | | | |
| | ◀Walk-up Black and white and colour fax capability | | | | |
| | ☐SUPPORTED OS & APPLICATIONS: | | | | |
| | ◀Windows XP / Vista / 7 / 8 / 8.1 / 10 | | | | |
| | ◀Windows Server 2003/ 2008 / 2012 / 201 | | | | |
| | ◀Mac OS X 10.6.8 or later | | | | |
| | ☐INTERFACE: | | | | |
| | ◀USB 2.0, Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct | | | | |
| 151 | Desktop Computer, All-In-One (AIO), 21.5" IPS | units | 4 | 45,000.00 | 180,000.00 |
| | ☐Processor: Intel Core i3-1005G1 (2C / 4T, 1.2 / 3.4GHz, 4MB) or higher | | | | |
| | ☐Graphics: Integrated Intel UHD Graphics | | | | |
| | ☐Chipset: Intel SoC Platform Memory: 1x 8GB SO-DIMM DDR4-3200 | | | | |
| | ☐Memory Slots: Two DDR4 SO-DIMM slots, dual-channel capable | | | | |
| | ☐Max Memory: Up to 16GB DDR4-3200 | | | | |
| | ☐Storage: 512GB SSD M.2 2280 PCIe 3.0 NVMe | | | | |
| | ☐Display: 21.5" FHD (1920x1080) IPS 250nits | | | | |
| | ☐Touchscreen: None | | | | |
| | ☐Keyboard: Calliope Wireless Keyboard | | | | |
| | ☐Mouse: Calliope Wireless Mouse | | | | |
| | ☐Expansion Slots: Two M.2 slots (one for WLAN, one for SSD) | | | | |
| | ☐Ethernet: Integrated 100/1000M WLAN + Bluetooth: 11ax, 2x2 + BT5.0 | | | | |
| | ☐Rear Ports: 1x power connector 1x HDMI 1.4 out 1x Ethernet (RJ-45) 2x USB 2.0 1x USB 3.1 Gen 1 | | | | |
| | ☐Left Ports: 1x headphone / microphone combo jack (3.5mm) 1x card reader 1x USB 3.1 Gen 1 | | | | |
| 152 | Desktop Computer (i3, 11th Gen) | set | 1 | 40,000.00 | 40,000.00 |
| | ☐Processor: Intel Core i3-11300 (4 cores /8 threads) or higher | | | | |
| | ☐Motherboard: Intel H510M Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1200 | | | | |
| | ☐8GB DDR4 2933 DIMM Desktop Memory or higher | | | | |
| | ☐SSD: 240GB NVMe or higher | | | | |
| | ☐Keyboard and Mouse Combo | | | | |
| | ☐Casing with Power Supply | | | | |
| | ☐Monitor: 18.5 inch, HD Ready (1366 X 768), TN Panel Connectivity Port: 1 VGA Port, 1 HDMI Port / Aspect Ratio: 16:9, Brightness (Typical): 200 cd/m2 / Refresh Rate: 60 Hz, | | | | |
| | ☐Operating System: Genuine Windows 10 Home (OEM) | | | | |

| | | | | | |
|------------|--|-------------|-----------|------------------|---------------------|
| | ☐AVR: 500W IC controlled | | | | |
| 153 | External Hard Disk Drive (Portable, 2TB), USB 3.1 | unit | 4 | 4,200.00 | 16,800.00 |
| | ☐Shock-absorbing | | | | |
| | ☐Interface: USB 3.1 (Max.5Gb/s) | | | | |
| | ☐Capacity: 2TB | | | | |
| | ☐Texture: Plastic/Rubber | | | | |
| | ☐Operating Voltage: DC 5V, 900mA | | | | |
| | ☐System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later | | | | |
| 154 | GPS, Waterproof Hiking | unit | 2 | 20,000.00 | 40,000.00 |
| | General | | | | |
| | Physical Dimensions - 2.7" x 6.2" x 1.2" (6.9 x 15.7 x 3.0 cm) | | | | |
| | Display Size - 1.6" x 2.2" (4.1 x 5.6 cm) | | | | |
| | Display Type - 256 color transfective TFT | | | | |
| | Weight - 7.7 oz (218 g) with batteries | | | | |
| | Battery Type - 2 AA batteries | | | | |
| | Battery Life - 18 hours, typical | | | | |
| | Watering Rating - IPX7 | | | | |
| | High-Sensitivity Receiver - Yes | | | | |
| | Maps & Memory | | | | |
| | Ability to add maps - Yes | | | | |
| | Basemap - Yes | | | | |
| | Automatic routing (turn by turn routing on roads) - Yes | | | | |
| | External Memory Storage - 128 microSD card (included) | | | | |
| | Waypoints/favorites/locations - 1000 | | | | |
| | Track Log - 10,000 points; 20 saved tracks | | | | |
| | Routes - 50 | | | | |
| | Outdoor Recreation | | | | |
| | Hunt/Fish Calendar - Yes | | | | |
| | Sun and Moon information - Yes | | | | |
| | Geocaching-Friendly - Yes | | | | |
| | Sensors | | | | |
| | Barometric Altimeter - Yes | | | | |
| | Compass - Yes | | | | |
| | Area Calculation - Yes | | | | |
| 155 | Ink cartr HP # Q6003A, magenta | pc | 10 | 4,140.00 | 41,400.00 |
| | | | | TOTAL: | 6,854,290.00 |

Bids received in excess of the ABC for each item shall be automatically rejected at bid opening.

- The *Visayas State University* now invites bids for the above Procurement Project. Delivery of the Goods is required by *Forty-Five (45) calendar days upon receipt of Notice to Proceed (NTP)*. Bidders should have completed, within *two (2) years* from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184. Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.
4. Prospective Bidders may obtain further information from *Visayas State University* and inspect the Bidding Documents at the address given below during *Mondays - Fridays (8:00 AM-5:00 PM)*.
5. A complete set of Bidding Documents may be acquired by interested Bidders on *17 October – 08 November 2023 until 1:30 PM* from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Ten Thousand Pesos (PhP 10,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.
6. The *Visayas State University* will hold a Pre-Bid Conference on ***October 26, 2023; 9:00 AM*** at the *BAC Conference Room, VSU Market, Visca, Baybay City, Leyte* and through video conferencing *via Zoom*, which shall be open to prospective bidders. Bidders are advised to contact the BAC Secretariat before the scheduled Pre-Bid Conference for the Zoom meeting details.
7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before ***08 November 2023 until 1:30 PM***. Late bids shall not be accepted.
8. For bidders who opt to submit their bids electronically, a hardcopy (original) of the bid must be sent to the BAC through preferred couriers. A proof (e.g. courier receipt/waybill, etc.) that a hardcopy of the bid is on transit must be presented upon submission of the electronic bid.
9. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
10. Bid opening shall be on ***08 November 2023 until 2:00 PM*** at the *BAC Conference Room, VSU Market, Visca, Baybay City, Leyte* and through video conferencing *via Zoom*. Bids will be opened in the presence of the bidders’ representatives who choose to attend the activity. Bidders are advised to contact the BAC Secretariat before the scheduled Bid Opening for the Zoom meeting details.

11. This procurement project is part of the early procurement activities (EPA) of VSU for 20243 projects. Procurement activities from advertisement until recommendation of award to the HoPE shall be conducted in 2023 but issuance of award to the winning bidders shall be done in 2024 upon the release of 2024 VSU General Appropriations Act from DBM.
12. The *Visayas State University* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
13. For further information, please refer to:

Mr. Leopoldo S. Escala Jr. (BAC Secretariat)
Office of the Head for Procurement,
VSU-Main, Visca, Baybay City, Leyte
Mobile: 053 565 0600 local 1093 or 09639629709
Email: leopoldo.escala@vsu.edu.ph

or

Mr. Toni Marc L. Dargantes (BAC Secretariat)
Office of the VP for Planning, Resource Generation & Auxiliary Services
VSU-Main, Visca, Baybay City, Leyte
Mobile: 0977 7186594
Email: tmdargantes@vsu.edu.ph

14. You may visit the following websites:

For downloading of Bidding Documents: <https://www.vsu.edu.ph/philgeps-opportunities>

October 16, 2023



DILBERTO O. FERRAREN
Chairperson, VSU BAC

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, *Visayas State University*, wishes to receive Bids for the ***Supply and Delivery of IT Equipment and Supplies***, with identification number ***VSU-GOODS-24-04***.

The Procurement Project (referred to herein as “Project”) is composed of *52 items*, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for 2024 in the amount of *Six Million Eight Hundred Fifty Four Thousand Two Hundred Ninety Pesos (PhP 6,854,290.00)*.

2.2. The source of funding is: NGA, the General Appropriations Act 2024.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

5.2. Foreign ownership limited to those allowed under the rules may participate in this Project.

- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:

Bidder should comply with the following requirements:

- i. Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least *fifty percent (50%)* of the ABC for this Project; and
- ii. The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.

- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that: **Subcontracting is not allowed.**

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address and/or through videoconferencing/webcasting as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.

- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within **two (2 years)** prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
 - a. For Goods offered from within the Procuring Entity's country:
 - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
 - ii. The cost of all customs duties and sales and other taxes already paid or payable;
 - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
 - iv. The price of other (incidental) services, if any, listed in e.
 - b. For Goods offered from abroad:

- i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
- ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

13. Bid and Payment Currencies

13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

13.2. Payment of the contract price shall be made in: Philippine Pesos.

14. Bid Security

14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

14.2. The Bid and bid security shall be valid until **March 08, 2024**. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

16. Deadline for Submission of Bids

16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

17. Opening and Preliminary Examination of Bids

- 17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

- 17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

18. Domestic Preference

- 18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as follows: One Project having several items, which shall be awarded as separate contracts per item.
- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

- 20.1. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

- 21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

Bid Data Sheet

| ITB Clause | |
|------------|---|
| 5.3 | For this purpose, contracts similar to the Project shall be: <ul style="list-style-type: none"> a. <i>IT Equipment and Supplies</i> b. completed within two (2) years prior to the deadline for the submission and receipt of bids. |
| 7.1 | Subcontracting is not allowed. |
| 12 | The price of the Goods shall be quoted DDP <i>VSU Main, Visca, Baybay City, Leyte</i> or the applicable International Commercial Terms (INCOTERMS) for this Project. |
| 14.1 | The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts: <ul style="list-style-type: none"> a. The amount of not less than <i>One Hundred Sixty Five Thousand Two Hundred Pesos (PhP 165,200.00)</i> or two percent (2%) of ABC, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than <i>Four Hundred Thirteen Thousand Pesos (PhP 413,000.00)</i> or five percent (5%) of ABC if bid security is in Surety Bond. |
| 15 | Bidders are requested to submit two (2) more copies of its bid (Copy 1 and Copy 2) in addition to the required original hardcopy. For filing purposes, the bidders are urged to use Red envelopes for its Technical and Financial Component envelopes, including the Mother (outer) Envelope. |
| 19.3 | <i>See Section I. Invitation to Bid (Item 1) for the list of items and their corresponding total Approved Budget for the Contract (ABC) per item.</i> |
| 20.2 | Bidders are required to submit its updated Mayor's/Business Permit during post-qualification. |
| 21.2 | <i>Not Applicable.</i> |

Section IV. General Conditions of Contract

1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

2. Advance Payment and Terms of Payment

2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

5. Warranty

- 6.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. Liability of the Supplier

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

Section V. Special Conditions of Contract

Special Conditions of Contract

| GCC Clause | |
|------------|--|
| 1 | <p>Delivery and Documents –</p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p>The delivery term applicable to this Contract is delivered <i>VSU Main Campus, Visca, Baybay City, Leyte</i>. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is:</p> <p style="margin-left: 40px;"><u>Vivian V. Balbarino</u> <i>Head, Supply and Property Management Office</i> <i>VSU-Main, Visca, Baybay City, Leyte</i> <i>Contact #: 053 565 0600 local 1082/ 09175518871</i> sppmo@vsu.edu.ph</p> <ul style="list-style-type: none"> ● <i>Additional Instruction: The Supplier should notify the Head of Supply and Property Management Office atleast 1 week before the scheduled delivery.</i> <p>Incidental Services –</p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <ol style="list-style-type: none"> a. performance r supervision of on-site assembly and/or start-up of the supplied Goods; b. furnishing of tools required for assembly and/or maintenance of the supplied Goods; c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and e. training of the Procuring Entity’s personnel, at the Supplier’s plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods. |
| | <p>The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.</p> |

Spare Parts –

The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and
- b. in the event of termination of production of the spare parts:
 - i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
 - ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

The spare parts and other components required are listed in **Section VI (Schedule of Requirements)** and the cost thereof are included in the contract price.

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of 3 years.

Spare parts or components shall be supplied as promptly as possible, but in any case, within 1 month of placing the order.

Packaging –

The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.

The outer packaging must be clearly marked on at least four (4) sides as follows:

- Name of the Procuring Entity
- Name of the Supplier
- Contract Description
- Final Destination
- Gross weight
- Any special lifting instructions

| | |
|-----|--|
| | <p>Any special handling instructions Any relevant HAZCHEM classifications</p> |
| | <p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p>Transportation – Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p> |
| | <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p> <p>Intellectual Property Rights – The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p> |
| 2.2 | Payment of staggered deliveries shall be allowed. Payment shall be on “as per cost of the items delivered” subject to inspection and acceptance. |
| 4 | The inspections and tests that will be conducted will be specified by the appropriate technical team of VSU to confirm conformity to the contract specifications at no extra cost to VSU. |

Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

| Item # | Qty | Unit | Description | Delivered, Weeks/Months |
|--------|-----|------|---|--|
| 1 | 5 | unit | 13.6" Laptop, Liquid Retina Display, M2 Chip, 8GB RAM | All items should be delivered to VSU Main Campus, Visca, Baybay City, Leyte within 45 Calendar Days from receipt of Notice To Proceed and Purchase Order |
| | | | <i>M2 chip with 8-core CPU, 10-core GPU, 16-core Neural Engine</i> | |
| | | | <i>8GB unified memory</i> | |
| | | | <i>512GB SSD storage</i> | |
| | | | <i>13.6-inch Liquid Retina display with True Tone³</i> | |
| | | | <i>1080p FaceTime HD camera</i> | |
| | | | <i>MagSafe 3 charging port</i> | |
| | | | <i>Two Thunderbolt / USB 4 ports</i> | |
| | | | <i>70W USB-C Power Adapter</i> | |
| | | | <i>Backlit Magic Keyboard with Touch ID - US English</i> | |
| 2 | 2 | unit | 15.3" Laptop, Liquid Retina Display, M2 Chip, 16GB RAM | |
| | | | <i>M2 chip with 8-core CPU, 10-core GPU, 16-core Neural Engine</i> | |
| | | | <i>16GB unified memory</i> | |
| | | | <i>512GB SSD storage</i> | |
| | | | <i>15.3-inch Liquid Retina display with True Tone³</i> | |
| | | | <i>1080p FaceTime HD camera</i> | |
| | | | <i>MagSafe 3 charging port</i> | |
| | | | <i>Two Thunderbolt / USB 4 ports</i> | |
| | | | <i>70W USB-C Power Adapter</i> | |
| | | | <i>Backlit Magic Keyboard with Touch ID - US English</i> | |
| 3 | 20 | pc | 3M RJ-45 Volition U.S. Faceplate face plate panel double port 2-Port IO Information Outlet plate | |
| | | | ☑Original 3M | |
| | | | ☑IO Information Outlet plate | |
| | | | ☑Ensure easy fitting and smart presentation of the RJ45 jacks | |
| | | | ☑The Keystone mounting feature of the Jack may allow you to use other Keystone boxes or faceplates. | |
| | | | ☑High performance | |
| | | | ☑Brand new | |
| | | | ☑comes with 2 pcs screws | |
| | | | ☑Existing fleet of VSU Faceplate and should be compatible with existing keystone | |
| 4 | 38 | pc | 3M Volition Cat6 8-Way Female Tool-less IO Information Outlet RJ45 Connector Keystone Mount | |
| | | | ☑Original 3M | |
| | | | ☑IO Information Outlet | |
| | | | ☑Tool-less jack • | |
| | | | ☑Re-usable • | |
| | | | ☑Shallow Depth, Cable Entry from top or bottom • | |
| | | | ☑Keystone Mounting • | |
| | | | ☑Accepts both solid conductors from AWG 26 to 22 and stranded conductors • | |
| | | | ☑Integral shutter Benefits • | |
| | | | ☑Easy and quick to install • | |
| | | | ☑Fast reliable connection in record time: 8 copper conductor wired in a single connection • | |

| | | | |
|----------|----------|-------------|---|
| | | | <ul style="list-style-type: none"> ■Quality of connection by design: not dependant on tool condition or operator skills ■Consistent results • ■Easier cable management • ■No need to use a new jack if a wiring mistake is made • ■More space and flexibility to ensure the cable minimum bend radius is never compromised • ■Compatibility between Volition copper and fiber jacks and many other accessories on the market using the standard keystone mounting • ■Compatible with all cables on the market and enables 'jack to plug' cables to be manufactured using stranded conductors • ■Increased dust protection, especially during installation • No additional shuttering required on faceplates • ■Higher port density • ■Allows direct mounting into floor boxes • ■An integral shutter protects the jack in the patch panel • ■Should be compatible with the existing fleet of VSU faceplates |
| 5 | 1 | lot | 5 Units of Projector |
| | | | Specification: |
| | | | Projection System Technology: RGB liquid crystal shutter projection system (3LCD), 3-chip technology |
| | | | White Light Output (Normal/Eco):3,600 lm |
| | | | Colour Light Output:3,600 lm |
| | | | Resolution XGA, at least 1024 x 768, |
| | | | Analog Input: D-Sub 15pin: 1 |
| | | | Digital Input: HDMI: 1 |
| | | | LCD: Native Resolution: XGA (1024 x 768) |
| | | | Size: 0.55" (C2fine) |
| | | | Light source: Type: 210W UHE |
| | | | Life (Normal / Eco): 6,000 / 12,000 hours |
| | | | Aspect Ratio:4:3 |
| | | | USB Interface: USB Type B: 1 (For Firmware Update, Copy OSD Settings) |
| | | | Analog Input: D-Sub 15pin: 1 |
| | | | Digital Input: HDMI: 1 |
| 6 | 2 | unit | All-in-One Ink Tank Printer Wi-Fi Duplex with ADF |
| | | | ■Compact integrated tank design |
| | | | ■Print speeds up to 15ipm for black and 8.0ipm for colour |
| | | | ■Auto-duplex printing Fax and ADF capability / Ethernet & |
| | | | ■Wi-Fi Direct |
| | | | ■Borderless Printing up to A4 size |
| | | | ■Spill-free ink refilling |
| | | | ■Control Panel: 2.4 " Colour LCD Touch Panel |
| 7 | 2 | unit | All-in-One Ink Tank Printer with ADF |
| 8 | 1 | pc | All-in-One-Printer |
| | | | Inktank 3 in 1 Printer Continuous Ink with Scanner and Xerox |
| | | | Ultra-low-cost printing: Save up to 90% on the cost of ink |
| | | | Next generation ink filling system: Enjoy hassle and mess-free refills with enhanced ink bottles |
| | | | Reliable results: Micro Piezo technology, Epson genuine ink, warranty |
| | | | 3-in-1:Print, copy & scan and borderless 10x15cm photo printing |
| | | | Print Resolution: 5760 x 1440 DPI |
| | | | Print Speed: 10 pages/min Monochrome, 5 pages/min Colour |

| | | | |
|----|----|------|---|
| | | | 5760 x 1400 DPI |
| | | | Compatible: Mac OS 10.10.x, Mac OS 10.7.x, Mac OS 10.8.x, Mac OS 10.9.x, Mac OS X 10.6.8 or later, Windows 10, Windows 7, Windows 7x64, Windows 8, Windows 8 (32/64 bit), Windows 8.1, Windows 8.1 x64 Edition, Windows Vista, Windows Vista x64, Windows XP, Windows XP x64, XP Professional x64 Edition |
| 9 | 14 | pc | ATX Power Supply (500W) |
| | | | ■Single 6pin |
| | | | ■24pin connector |
| | | | ■Dual 4pin for board |
| | | | ■4 sata supply |
| | | | ■4 molex supply |
| 10 | 1 | unit | Audio Mixer, 10-channel Mixer with USB and Effects |
| | | | GigFX effects engine delivers 24 effects including reverbs, delays, and choruses |
| | | | 4 Mic preamps (XLR) deliver clear signal and 60dB of gain |
| | | | Rugged design will stand up to the wear and tear of the road |
| | | | 3 Band EQ and 100Hz low-cut filter on all channels |
| | | | Built-in channel compression |
| | | | 48-volt phantom power on all mic channels |
| | | | 24-bit/192kHz A/D for unmatched audio quality |
| | | | USB for playback music and recording into your computer |
| | | | Balanced XLR and balanced/unbalanced outputs |
| 11 | 3 | unit | Automatic Voltage Regulatory (AVR), 1500W, heavy duty |
| | | | ■Input: 220volts |
| | | | ■Power: 1500watts |
| | | | ■Output: 110-220 volts |
| | | | ■Range voltage 120v-220 volts |
| | | | ■Servo motor controlled |
| 12 | 7 | unit | AVR, 500W (IC Controlled) |
| | | | ■Power Output: 500 W |
| | | | ■Power Factor Correction (PFC): Active PFC with Value of 0.98 |
| | | | ■Fan Type: 1 x 120 mm Smart and Silent Fan Control 22 dBA |
| | | | ■Safety Standards: FCC, CB, CCC, TUV, CE, C-tick, EMI, EMC, S-Intertek, CPT-AB15 |
| 13 | 1 | pc | Battery Charger for 9 Volts Battery |
| | | | For 9 volts rechargeable batteries *Charges 2x rechargeable batteries (9 volts) at the same time\ |
| | | | *With 110v & 220v setting |
| | | | Compatible with Nickel-Cadmium & Nickel-Metal Hydride rechargeable batteries |
| 14 | 1 | pc | Battery, Li-ion EN-EL5 for Camera Coolpix P520 |
| | | | good quality |
| | | | Fit for camera coolpix P520 |
| | | | Rechargeable |
| | | | 3.7V |
| | | | 1100mAh |
| 15 | 1 | pc | Canon Cartridge 054 Toner - Black |
| | | | For Canon Generic UFR II Printer Model: LBP621C |
| | | | Color: Black |
| 16 | 1 | pc | Canon Cartridge 054 Toner - Magenta |
| | | | For Canon Generic UFR II Printer Model: LBP621C |
| | | | Color: Magenta |
| 17 | 1 | pc | Canon Cartridge 054 Toner - Yellow |
| | | | For Canon Generic UFR II Printer Model: LBP621C |

| | | | |
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| | | | Color: Yellow |
| 18 | 1 | pc | Canon Cartridge 054 Toner-Cyan |
| | | | For Canon Generic UFR II Printer Model: LBP621C |
| | | | Color: Cyan |
| 19 | 5 | set | Canon Pixma Ink Bottle,GI-71(Black, Cyan, Magenta, Yellow) |
| | | | Black - 135ml per bottle |
| | | | Colored - 70ml per bottle |
| | | | Set includes all four colors |
| | | | Compatible with: Canon Pixma G1020 Canon Pixma G2020 Canon Pixma G3020 Canon Pixma G3060 |
| 20 | 4 | pc | Computer Keyboard USB |
| | | | ■Standard Keyboard with 104 Keys |
| | | | ■USB Connection |
| | | | ■Low Profile Key Caps |
| | | | ■Minimum Key Noise |
| | | | ■Laser Printing for Key Layout |
| | | | ■Spill Resistant Design |
| 21 | 1 | pc | Computer Monitor 21.5", VA |
| | | | Size: 21.5" |
| | | | Panel Type: VA |
| | | | Resolution: 1920x1080 (FHD) |
| | | | Refresh Rate: 75Hz |
| | | | Response Time: 5MS |
| | | | Interface: VGA, HDMI |
| | | | With a slim and 3-sided frameless design |
| | | | Flicker Free and Low Blue Mode eye protection technology |
| | | | VESA mount compatibility |
| 22 | 2 | set | Computer Monitor 24", IPS, Bezel-less Full HD Monitor |
| | | | ■Panel Type: IPS |
| | | | ■Brightness(Typical): 250cd/ m ² |
| | | | ■Brightness(Min): 200cd/ m ² |
| | | | ■Contrast Ratio Static: 1000:1(typical) |
| | | | ■Dynamic Contrast Ratio: MegaFlat |
| | | | ■Resolution: 1920x1080 |
| | | | ■Response Time: 5ms(GTG) |
| | | | ■Max Color Support: Max 16.7M |
| | | | ■Max Refresh Rate: Max 75Hz |
| | | | ■Interface: D-sub(x1), HDMI(x1) |
| 23 | 9 | unit | Computer Printer 3-in-1 |
| | | | ■with CIS Filled with Inks |
| | | | ■Compact integrated tank design |
| | | | ■High yield ink bottles |
| | | | ■Spill-free, error-free refilling |
| | | | ■Wi-Fi, Wi-Fi Direct |
| | | | ■Borderless printing up to 4R |
| 24 | 12 | unit | Computer Printer, All-in-One/Multifunction Colored-Ink Tank |
| | | | ■Ultra-low-cost printing: Print up to 4,500 pages in black and 7,500 in colour |
| | | | ■Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles |
| | | | ■Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices |
| | | | ■3-in-1: Print, copy & scan and borderless photo printing |
| | | | ■Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color |
| | | | ■Minimum Droplet Size: 3 pl, With Variable-Sized Droplet |

| | | | |
|----|---|------|--|
| | | | Technology |
| | | | ■Ink Technology: Dye Ink |
| | | | ■Printing Resolution: 5,760 x 1,440 DPI |
| 25 | 3 | unit | CPU (Central Processing Unit) |
| | | | ■AMD A10-8770 Processor |
| | | | ■Motherboard compatible with the processor |
| | | | ■Kingston 4GB DDR4-2666 Memory |
| | | | ■CPU Casing w/ PSU |
| | | | ■256GB SSD |
| 26 | 4 | unit | DDR3 4GB SO - DIMM 2666 Mhz |
| 27 | 6 | set | DESKTOP (BRANDED) |
| | | | Motherboard, Processor Intel core i7 12gen. |
| | | | RAM at least 16gb |
| | | | Hard drive SSD M2 at least 500gb |
| | | | Led Monitor 21 |
| | | | usb keyboard & mouse |
| | | | AVR or UPS. |
| | | | With Licensed WIndows 11 and MS Office 2016. |
| 28 | 2 | set | Desktop Computer (i7), 11th Gen, 8GB RAM |
| | | | ■Processor: Intel® Core™ i7-11700 or higher |
| | | | ■Chipset: Intel®H510 with ultradurable capacitors |
| | | | ■Graphics: Intel® UHD Graphics 750 |
| | | | ■Memory: at least 8 GB Dual Channel, DDR4 at 3200MHz |
| | | | ■Expansion Slots: 1 x M.2, 2 x PCI-e x 1, 1 x PCI-e x 16 |
| | | | ■SATA: 4 x SATA 6Gb/s *1 |
| | | | ■Storage: at least 250 GB M.2 SSD |
| | | | ■Operating System: Genuine Windows 10 Home |
| | | | ■Power Supply: at least 500 W Peak with ATX case |
| | | | ■Monitor: 24" LED IPS Full HD |
| | | | ■Keyboard and Mouse |
| 29 | 4 | unit | Desktop Computer (w/o Monitor), Core i3 11th Gen or higher |
| | | | ■Processor: Intel Core i3-11300 (4 cores /8 threads) or higher |
| | | | ■Motherboard: Intel H510M Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1200 |
| | | | ■Memory: 8GB DDR4 2933 DIMM Desktop Memory or higher |
| | | | ■SSD: 240GB NVMe or higher |
| | | | ■Casing with Power Supply |
| | | | ■Operating System: Genuine Windows 10 Home (OEM) |
| | | | ■w/ USB Keyboard and Mouse |
| 30 | 1 | unit | Desktop Computer, 12Gen Core i5, 16GB RAM, RTX 3050 no Monitor |
| | | | ■Processor: Intel® i5-12400F Total Cores: 6, Threads: 12, Max Turbo Frequency: 4.40Ghz, Performance Core Base Frequency: 2.5Ghz, Cache: 18MB or higher |
| | | | ■Motherboard: Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher |
| | | | ■RAM: 16GB DDR4 3200 MHz CL16, Intel® XMP-ready and XMP Certified, Low-profile heat spreader design or higher |
| | | | ■SSD: 512 GB M.2 2280 Form Factor PCIe Gen3x4 Interface, read up to :1700 MB, write up: 1550 MB/s or higher |
| | | | ■Casing: mATX/ATX casing with transparent acrylic side panels and Cooler Fan Support: front panel 3*120mm/top |

| | | | |
|----|---|------|--|
| | | | 2*120mm/rear 1*120mm |
| | | | ■Graphics Processor: NVIDIA® GeForce RTX™ 3050, Bus Standard: PCI Express 4.0 |
| | | | ■OpenGL: OpenGL®4.6, Video Memory: 8GB GDDR6 |
| | | | ■PSU:550w, True Rated Power Supply 80 plus Bronze Rated PSU for Micro ATX and ATX casing or higher |
| 31 | 1 | unit | Desktop Computer, All-in-one (AIO), Pentium Silver, 4GB RAM |
| | | | Intel Pentium Silver J5040 2.0GHz up to 3.20GHz Processor or higher |
| | | | 4GB DDR4 Memory or higher |
| | | | 1TB 2.5" SATA HDD or higher |
| | | | 21.5" FHD 1920x1080 IPS Display (non-touch) or higher |
| | | | Intel Graphics |
| | | | 802.11AC WiFi + BT 720P HD Camera |
| | | | HDMI out 1.4 Port |
| | | | Windows 10 |
| 32 | 2 | set | Desktop Computer, Assembled, 12th Gen Core i5, SDD and HDD |
| | | | ■Processor: Intel® Core i5 12th gen with Intel® UHD Graphics 730 or higher |
| | | | ■Motherboard :Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher |
| | | | ■RAM: 16GB DDR4 3200 Mhz or higher |
| | | | ■SSD: 512 GB NVMe PCIe Gen 3x4 |
| | | | ■HDD: 1 TB 7200 RPM |
| | | | ■PSU: 650w 80 plus Bronze Certified |
| | | | ■Casing: mATX Casing with transparent acrylic side panel |
| | | | ■24" IPS monitor 72% NSTC color gamut with 75Hz refresh rate |
| | | | ■Keyboard and Mouse Combo: Spill-resistant design with up to Up to 5 million keystrokes (excludes number lock key) keyboard and full-sized ambidextrous optical mouse |
| | | | ■Operating system: Genuine Windows 11 |
| 33 | 5 | set | Desktop Computer, with Monitor, Core i5 12th Gen, 8GB RAM |
| | | | ■Processor: 12th Generation Intel® Core™ i5-12400 Processor(2.50 GHz up tp 4.40 GHz) or higher |
| | | | ■Motherboard: Intel® H610 Express Chipset Micro ATX Motherboard, with 6+1+1 Hybrid Digital VRM, High quality capacitors and Anti-sulfur resistors or higher |
| | | | ■Operating System: Genuine Windows 11 Home 64 |
| | | | ■Memory: 8 GB DDR4-3200MHz (UDIMM) or higher |
| | | | ■Graphics: Integrated Graphics |
| | | | ■SSD: 256 GB SSD M.2 2280 PCIe or higher |
| | | | ■Casing: mATX casing |
| | | | ■Power supply: at least 450W, True Rated 80+ Bronze |
| | | | ■Monitor: 24" FHD (1920 x 1080) IPS Monitor, NTSC 72%, 5ms response time, 60Hz |
| 34 | 1 | unit | Desktop Monitor, 24" IPS, 75Hz |
| | | | Size (Inch) 23.8Size (cm) with narrow bezel |
| | | | Resolution: 1920 x 1080 |
| | | | Panel Type: IPS |
| | | | Aspect Ratio: 16:9 |

| | | | |
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| | | | Pixel Pitch: 0.2745 x 0.2745 mm |
| | | | Brightness (Min.): 200 cd/m ² Brightness (Typ.) 250 cd/m ² |
| | | | Color Gamut (Typ.): NTSC 72% (CIE1931) |
| | | | Color Depth (Number of Colors): 16.7M |
| | | | Contrast Ratio (Min.): 600:1 |
| | | | Contrast Ratio (Typ.): 1000:1 |
| | | | Response Time: 5ms (GtG at Faster) |
| | | | Viewing Angle (CR≥10): 178°(R/L), 178°(U/D) |
| | | | Surface Treatment: Anti Glare |
| | | | Connectivity: DSUB, HDMI |
| | | | HDMI (Max. Resolution at Hz): 1920 x 1080 @ 75Hz |
| 35 | 2 | pc | DS3231 RTC High Precision Real-Time Clock Module |
| 36 | 1 | unit | DSLR Camera |
| | | | 24.5MP FX-Format BSI CMOS Sensor and EXPEED 6 Processor |
| | | | 51-Point Multi-CAM 3500 II AF Sensor |
| | | | UHD 4K Video Recording |
| | | | 273-Point Hybrid AF System |
| | | | Body Design |
| 37 | 1 | unit | DSLR Camera with lens and accessories |
| | | | 20.2MP APS-C 'Dual Pixel CMOS AF' sensor |
| | | | DIGIC 5+ image processor |
| | | | ISO 100-12800 standard, 25600 expanded |
| | | | 7fps continuous shooting, burst depth 65 JPEG / 16 Raw |
| | | | 'Silent' shutter mode |
| | | | 1080p30 video recording, stereo sound via external mic |
| | | | 19-point AF system, all points cross-type, sensitive to -0.5 EV |
| | | | 63-zone iFCL metering system |
| | | | 98% viewfinder coverage, 0.95x magnification, switchable gridlines and electronic level display |
| | | | Fully-articulated touchscreen, 1040k dot 3" ClearView II LCD, 3:2 aspect ratio |
| | | | Single SD/SDHC/SDXC card slot |
| | | | Built-in Wi-Fi |
| | | | Single-axis electronic level |
| | | | Built-in flash works as off-camera remote flash controller |
| | | | AF microadjustment (can be set individually for up to 40 lenses, remembered by lens serial number) |
| | | | In-camera High Dynamic Range and Multiple Exposure modes (JPEG-only) |
| | | | 'Creative Filter' image processing styles, previewed in live view |
| 38 | 5 | btl | EPSON - BK-774 Ink |
| | | | For EPSON M200 Printer: |
| | | | Color : Black |
| | | | Ink - 774 |
| 39 | 78 | btls | Epson 001 ink, Black, 127ml, Genuine |
| 40 | 37 | btls | Epson 001 ink, Cyan, Genuine |
| 41 | 36 | btls | Epson 001 ink, Magenta, Genuine |
| 42 | 34 | btls | Epson 001 ink, Yellow, Genuine |
| 43 | 52 | btls | Epson 003 Ink Bottle for Epson L3150, Black |
| 44 | 29 | btls | Epson 003 Ink Bottle for Epson L3150, CYAN |
| 45 | 29 | btls | Epson 003 Ink Bottle for Epson L3150, MAGENTA |
| 46 | 29 | btls | Epson 003 Ink Bottle for Epson L3150, YELLOW |
| 47 | 4 | sets | Epson 188 Black, Cyan, Yellow & Magenta Ink Set of 4 Colors |
| | | | DURAbrite Ultra Ink |
| | | | Max Economy for prints |

| | | | |
|----|----|-------|--|
| | | | Print up to A3+ |
| | | | Mobile printing with Epson Connect |
| | | | For use on WF-7111 / WF-7611 / WF-7211 / WF-7711 |
| | | | Average page yield for black ink cartridge: 2,200 pages |
| | | | Average page yield for colour ink cartridge: 1,100 pages |
| 48 | 6 | unit | External Hard Disk Drive (Portable, 1TB), USB 3.1 |
| | | | ■Shock-absorbing |
| | | | ■Interface: USB 3.1 (Max.5Gb/s) |
| | | | ■Capacity: 1TB |
| | | | ■Texture: Plastic/Rubber |
| | | | ■Operating Voltage: DC 5V, 900mA |
| | | | ■System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later |
| 49 | 10 | unit | External Hard Drive, 1 TB |
| | | | Capacity: 1TB |
| | | | Connection interface: USB 2.0/3.0 |
| | | | Storage Media: 2.5" SATA HDD |
| | | | Op. Voltage: USB DC 5V |
| | | | Size :129.5mm x 82.4mm x 20.4mm |
| | | | Weight: 216g |
| 50 | 5 | pc | Flash Drive, 128GB, USB 3.0 |
| | | | ■Capacity:128GB |
| | | | ■Interface: USB 3.0 |
| | | | ■Speed: 100MB/s read, 10MB/s write |
| 51 | 12 | pcs | Flash Drive, at least 32GB USB 3.0 |
| 52 | 4 | pcs | Hard Disk ST1000DM010 1TB 64MB Cache SATA 6.0Gb/s 3.5 |
| | | | ST1000DM010 1TB 64MB Cache SATA 6.0Gb/s 3.5 |
| 53 | 2 | piece | HDMI to HDMI cable |
| | | | ■chord 1.8 meter long; |
| 54 | 6 | unit | Headphone, Professional, Studio Grade, |
| | | | ■Type: Closed-back dynamic |
| | | | ■Driver Diameter: 40 mm |
| | | | ■Frequency Response: 15 - 24,000 Hz |
| | | | ■Maximum Input Power: 1,600 mW at 1 kHz |
| | | | ■Sensitivity: 98 dB |
| | | | ■Impedance: 35 ohms |
| | | | ■Cable Includes two interchangeable cables: detachable 1.2 m - 3.0 m (3.9' - 9.8') coiled cable and detachable 3.0 m (9.8') straight cable |
| | | | ■Cable - Detachable: Yes |
| | | | ■Magnet: Neodymium |
| | | | ■Voice Coil: CCAW (Copper-clad aluminum wire) |
| | | | ■Folding/collapsible: Yes |
| | | | ■Accessories Included Protective carrying pouch, 6.3 mm (1/4") screw-on adapter |
| 55 | 1 | pc | Headset (Wired), Generic Over the Ear with mic |
| | | | ■Line is equipped with a rotary volume controller, one key Mic mute, |
| | | | ■Frequency Range:20-20K(Hz) |
| | | | ■Sensitivity:-52(dB) |
| | | | ■Impedance:32(Ohm) |
| | | | ■Speaker Diameter:40(mm) |
| | | | ■Distortion Rate:0.8% |
| | | | ■Plug Diameter:3.5mm |
| 56 | 3 | unit | Headset with Noise Cancelling Mic |
| | | | ■Input Impedance: at least 32 Ohms |

| | | | |
|----|-----|------|---|
| | | | ☑Sensitivity (headphone):at least 94 dBV/Pa +/- 3 dB |
| | | | ☑Sensitivity (microphone): -17 dBV/Pa +/- 4 dB |
| | | | ☑Frequency response (Headset): 20 Hz - 20 KHz |
| | | | ☑Frequency response (Microphone): 100 Hz - 10 KHz |
| | | | ☑Cable Length: at least 7 ft |
| | | | ☑Connections: USB-A compatible (1.1, 2.0, 3.0), USB port 1Type A port or adapter |
| 57 | 4 | sets | Headset, Over Ear, wired |
| | | | ☑Wearing Type: Over-ear |
| | | | ☑Microphone: Yes |
| | | | ☑Volume Control: Yes |
| | | | ☑One Key Mute Button: Yes |
| | | | ☑Microphone: Omnidirectional |
| | | | ☑Plug Type: 3.5mm |
| | | | ☑Speaker Diameter: 50mm |
| | | | ☑Receive Sensitivity: 101dB |
| | | | ☑Impedance: 32Ω |
| | | | ☑Frequency Response: 20-20kHz |
| 58 | 6 | pc | HP Ink Cartridge 678 Black |
| 59 | 6 | pc | HP Ink Cartridge 678 Tricolor |
| 60 | 2 | sets | Ink Cartridge Pigment Ink For Epson WorkForce Pro WF-C878R, T05A1 T05A2 T05A3 T05A4, Printer Ink Bag |
| | | | <i>Ink Cartridge Pigment Ink For Epson WorkForce Pro WF-C878R</i> |
| | | | T05A1 (BLACK) |
| | | | T05A2 (CYAN) |
| | | | T05A3 (MAGENTA) |
| | | | T05A4 (YELLOW) |
| 61 | 6 | pcs | Ink Cartridge, HP704, black |
| 62 | 6 | pcs | Ink Cartridge, HP704, tri color |
| 63 | 6 | btls | Ink HP GT51 Black (K), Genuine |
| 64 | 4 | btls | Ink HP GT52 Cyan (C), Genuine |
| 65 | 4 | btls | Ink HP GT52 Magenta (M), Genuine |
| 66 | 4 | btls | Ink HP GT52 Yellow (Y), Genuine |
| 67 | 25 | btls | Ink, Brother BT5000C Cyan |
| 68 | 25 | btls | Ink, Brother BT5000M Magenta |
| 69 | 25 | btls | Ink, Brother BT5000Y Yellow |
| 70 | 25 | btls | Ink, Brother BTD60BK, Black |
| 71 | 5 | pcs | Ink, Epson 001, Genuine Magenta 70ml, SKU: C13T03Y300 |
| 72 | 5 | pcs | Ink, Epson 001, Genuine Yellow 70ml, SKU: C13T03Y400 |
| 73 | 5 | pcs | Ink, Epson 001, SKU: Genuine Cyan 70ml, SKU: C13T03Y200 |
| 74 | 525 | btl | Ink, Epson 003,Genuine Black 65mL |
| 75 | 238 | btl | Ink, EPSON 003,Genuine Cyan 65mL |
| 76 | 246 | btl | Ink, EPSON 003,Genuine Magenta 65mL |
| 77 | 236 | btl | Ink, EPSON 003,Genuine Yellow 65mL |
| 78 | 5 | tube | Ink, EPSON T9481 XL for WF-C878R Printer, Black |
| 79 | 5 | tube | Ink, EPSON T9481 XL for WF-C878R Printer, Cyan |
| 80 | 5 | tube | Ink, EPSON T9481 XL for WF-C878R Printer, Magenta |
| 81 | 10 | pcs | Ink, Epson, 001, Genuine Black 127ml, C13T03Y100 |
| 82 | 50 | pcs | Ink, Epson, genuine (C) T664, 70 ml |
| 83 | 63 | pcs | Ink, Epson, genuine (M) T664, 70 ml |
| 84 | 108 | pcs | Ink, Epson, genuine, (BK) T664, 70 ml |
| 85 | 60 | pcs | Ink, Epson, genuine, (Y) T664, 70 ml |
| 86 | 5 | tube | Ink. EPSON T9481 XL for WF-C878R Printer, Yellow |
| 87 | 3 | set | Keyboard And Mouse Combo Bundle, USB powered |
| | | | ☑Keyboard |

| | | | | |
|-----------|----------|-------------|--|------|
| | | | ◀Keycaps: A-Shape, Round Edge | |
| | | | ◀Hotkeys: No | |
| | | | ◀Character: Laser Engraving | |
| | | | ◀Adjustable Keyboard Legs: Yes | |
| | | | ◀Rating: 5 V / 30 mA | |
| | | | ☑Mouse | |
| | | | ◀Report Rate: 125 Hz | |
| | | | ◀Sensor: Optical | |
| | | | ◀Resolution: 1000 DPI | |
| | | | ◀Rating: 5 V / 100 mA | |
| | | | ◀Buttons No.: 3 | |
| | | | ◀Ergonomic Design: Symmetric | |
| | | | ◀Size: Middle / Big Hands | |
| 88 | 1 | unit | Labelling Printer | |
| | | | ☑Technology: Thermal Transfer | |
| | | | ☑Tape Width Capacity: at least 6, 9, 12, 18, 24 mm | |
| | | | ☑Tape is humidity resistant, scratch resistant, temperature resistant, and waterproof | |
| | | | ☑Connectivity: USB, Bluetooth | |
| | | | ☑QR Code Generator: Capable | |
| | | | ☑Barcodes: 14 types (Code 128, Code 39, Data Matrix, EAN-128, EAN-13, EAN-8, GS1-128, GS1-DataBar, ITF, MaxiCode, PDF417, QR Code, UPC-A, UPC-E) | |
| | | | ☑Cutter: Automatic Full Cut Function | |
| | | | ☑Power: AC or Battery | |
| | | | ☑Compatibility: Windows Vista, 7, 8, 8.1, 10, Mac OSX 10.6 or later | |
| | | | ☑Inclusions: 5 different sizes of compatible tapes | |
| 89 | 1 | unit | Laptop 14" (i3) | |
| | | | ☑Processor : Intel Core i3-1005G1 Processor 4M Cache, up to 3.40 GHz or higher | |
| | | | ☑Operating System : Windows 10 Home | |
| | | | ☑Memory : 4GB Onboard memory, 1 x SO-DIMM socket , total up to 8 GB SDRAM or higher | |
| | | | ☑Display : 14.0" (16:9) LED-backlit HD (1366x768) 60Hz Anti-Glare Panel with 45% NTSC | |
| | | | ☑Graphics : Integrated Intel UHD Graphics | |
| | | | ☑Storage : 512GB PCIe Gen3 x2 SSD or higher | |
| | | | ☑Networking : Integrated Wi-Fi 5 (802.11 ac) Bluetooth 5.0 | |
| | | | ☑Battery : 2 -Cell 32 Wh lithium-polymer battery | |
| 90 | 2 | unit | Laptop 14" (i5) | |
| | | | ☑Processor: Intel Core i5-1035G1 Processor 1.0 GHz 6M Cache, up to 3.60 GHz or higher | |
| | | | ☑Operating system: Windows 10 Home | |
| | | | ☑Memory: 4GB memory, 1 x SO-DIMM socket (for expansion) or higher | |
| | | | ☑Display: 14.0" (16:9) LED-backlit FHD (1920x1080) 60Hz Anti-Glare Panel with 45% NTSC | |
| | | | ☑Video Processor: NVIDIA GeForce MX330 , with 2GB GDDR5 VRAM or higher | |
| | | | ☑Storage: 512GB PCIe Gen3 x2 SSD | |
| 91 | 1 | pc | Laptop Cooling Pad 14" | |
| | | | 1.one 14cm big LED light fan | |
| | | | 2.metal material | mesh |
| | | | 3. Powered by USB cable from laptop | |

| | | | |
|----|---|------|---|
| | | | 4.Support size:12"-14"laptop |
| | | | 5.Color:black, |
| 92 | 6 | unit | Laptop core i7 |
| | | | Processor : 13th Generation Intel® Core™ i7-1360P Processor (E-cores up to 3.70 GHz P-cores up to 5.00 GHz) |
| | | | Operating System : Licensed Windows 11 Home Single Language 64 |
| | | | Memory : 16 GB LPDDR5-4800MHz (Soldered) |
| | | | Hard Drive : 1 TB SSD M.2 2280 PCIe Gen4 TLC |
| | | | Licensed MS Office |
| | | | Graphics : Integrated Intel® Iris® Xe Graphics eligible |
| | | | Battery : 4 Cell Li-Polymer |
| | | | Bluetooth : Bluetooth® 5.1 or above |
| | | | Pointing Device : ClickPad |
| 93 | 3 | pc | Laptop Stand Lifting Riser Holder Aluminum Height/Angle |
| 94 | 1 | unit | Laptop, 14" (i7) |
| | | | ☑Processor: Intel Core i7 10th generation or higher |
| | | | ☑Graphics: NVIDIA GeForce MX250 at least 2GB GDDR5 |
| | | | ☑Memory: at least 8GB DDR4-2666 |
| | | | ☑Storage: at least 256GB SSD M.2 + 1TB HDD |
| | | | ☑Display: 14" FHD (1920x1080) IPS 250nits Anti-glare |
| | | | ☑Touchscreen: None |
| | | | ☑Optical: None |
| | | | ☑Media Reader: 4-in-1 Card Reader |
| | | | ☑Ethernet: None |
| | | | ☑WLAN + Bluetooth |
| | | | ☑Camera: at least 720p |
| | | | ☑Microphone: at least 2x, Array |
| | | | ☑Operating System: licensed Windows 10 Home or Pro |
| | | | ☑Bundled Software: Microsoft Office Perpetual License |
| | | | ☑Repair and replacement should be at most 3 month from returning the unit |
| | | | ☑at least 3 years Warranty |
| | | | ☑FREE: Backpack |
| 95 | 2 | unit | Laptop, 15.6", Full HD, Intel Core i7 |
| | | | Display Size: 15.6 Full HD |
| | | | Resolution: 1920 x 1080 |
| | | | Processor: Intel Core i7-1255U |
| | | | Memo: 16GB RAM |
| | | | Solid State Drive: 1TB SSD |
| | | | Graphics Card: Nvidia MX550 2GB |
| | | | Operating System: Windows 11 |
| | | | Microsoft Office Home and Students 2021 |
| | | | Net weight: 1.75kg |
| | | | Gross Weight: 1.85kg |
| 96 | 1 | unit | Laptop, Intel Core i5 10th Gen , 15.6" FHD |
| | | | ☑Processor: Intel Core i5 10th gen processor or higher |
| | | | ☑Memory: 16GB DDR4 2400MHz or higher |
| | | | ☑Display: 15.6-inch full HD IPS 1920x1080 screen |
| | | | ☑Graphics card: NVIDIA Geforce MX350 2GB (GDDR5 video memory) or higher |
| | | | ☑SSD: 512GB NVMe M2 |
| | | | ☑Network: wireless network card dual-band dual-antenna 802.11.ax (support 5G network); Bluetooth Bluetooth5.0 |
| | | | ☑Operating System: Genuine Windows 10 |
| 97 | 2 | unit | Laptop, Intel Core i5 11th Gen, 15.6" FHD |
| | | | ☑Processor: 11th Gen Intel® Core™ i5 or higher |

| | | | |
|-----|---|------|---|
| | | | <ul style="list-style-type: none"> ■Graphics: Intel® Iris® Xe Graphics ■Display: 15.6" 1920x1080 resolution FHD IPS ■Memory: 16GB DDR4 3200MHz or higher ■Storage: 512GB M.2 SSD or higher ■Keyboard and Touchpad: Not Backlight ■Audio: Realtek Audio ■Camera: 720P HD ■Wireless Connectivity: Wi-Fi 5 and Bluetooth 4.0-4.2 ■Operating System: Genuine Windows 10 |
| 98 | 5 | unit | <p>LCD Projector (XGA), 3LCD Technology</p> <ul style="list-style-type: none"> ■Projection System Technology: RGB liquid crystal shutter projection system (3LCD), 3-chip technology ■White Light Output (Normal/Eco):3,600 lm ■Colour Light Output:3,600 lm ■Resolution XGA, at least 1024 x 768, ■Analog Input:D-Sub 15pin: 1 ■Digital Input:HDMI: 1 ■LCD:Native Resolution: XGA (1024 x 768) ■Size: 0.55" (C2fine) ■Lightsource:Type: 210W UHE ■Life (Normal / Eco): 6,000 / 12,000 hours ■Aspect Ratio:4:3 ■USB Interface:USB Type B: 1 (For Firmware Update, Copy OSD Settings) ■Analog Input:D-Sub 15pin: 1 ■Digital Input:HDMI: 1 |
| 99 | 1 | unit | <p>LCD Projector, XGA (1024x768)</p> <ul style="list-style-type: none"> ■Projection Method: Front/rear/ceiling mount ■Pixel Number: at least 786,432 dots (1024 x 768) x 3 ■Color Brightness: 3.600 lumen- 2.235 lumen (economy) In accordance with IDMS15.4 ■Aspect ratio: 4:3 ■Lamp Life: ECO Mode up to 5000 hrs ■Normal Mode up to 4000 hrs ■Projection Distance Wide/Tele: 1,8 m - 2,17 m (60 inch screen) ■Keystone Correction: Manual ■USB Plug 'n Play: Compatible w/ PC and MAC computers ■Contrast Ratio: 15.000 : 1 ■Color Reproduction: 16.77 million color |
| 100 | 1 | unit | <p>LED Voltage Tester</p> <p>LED Voltage Tester 600V AC/DC, Continuity Check, Battery Powered CAT III 100V, CAT IV 600</p> |
| 101 | 1 | pc | <p>Microsoft Office Home & Student 2019, 1 Perpetual License, Medialess</p> <ul style="list-style-type: none"> ■One-time purchase for 1 PC or Mac ■Classic 2019 versions of Word, Excel, and PowerPoint ■Microsoft support included for 60 days at no extra cost ■Licensed for home use |
| 102 | 2 | unit | <p>Mirrorless Camera, 24MP APS-C</p> <ul style="list-style-type: none"> ■24.1MP APS-C CMOS Sensor ■Digital Imaging Integrated Circuit (DIGIC) 8 Image Processor ■UHD 4K and HD 720p120 Video Recording ■Dual Pixel CMOS AF with Eye Detect AF ■2.36m-Dot OLED Electronic Viewfinder ■3.0" 1.04m-Dot Vari-Angle Touchscreen |

| | | | |
|-----|---|-----|---|
| | | | <ul style="list-style-type: none"> ■ Wi-Fi and Bluetooth; Webcam Capability ■ Extended ISO 51200, 10 fps Shooting ■ Combination 5-Axis Image Stabilization ■ Includes EF-M 15-45mm f/3.5-6.3 IS STM Lens |
| 103 | 5 | pc | Mouse, Wired, Optical, USB <ul style="list-style-type: none"> ■ USB Port Connectivity ■ Sensor: Optical ■ DPI: 1600 ■ Work method: Wired ■ Buttons: Left button, middle button, right button ■ Scroll wheel direction: Two way ■ Design highlights: Easy installation. 1600 DPI high-definition tracking engine. Anti-slip scroll wheel. Full-size, ambidextrous design |
| 104 | 3 | lot | PC monitor and CPU merged with OS, office, UPS, keyboard & mouse, 3 in 1 printer |
| | | | 1. Computer Monitor |
| | | | Item Specification |
| | | | Size: 21.5" |
| | | | Panel Type: VA |
| | | | Resolution: 1920x1080 (FHD) |
| | | | Refresh Rate: 75Hz |
| | | | Response Time: 5MS |
| | | | Interface: VGA, HDMI |
| | | | With a slim and 3-sided frameless design |
| | | | Flicker Free and Low Blue Mode eye protection technology |
| | | | VESA mount compatibility |
| | | | 2. UPS |
| | | | Item Specification |
| | | | ■ Output Power Capacity: 550 Watts/1100 VA |
| | | | ■ Max Configurable Power: 550 Watts/1100 VA 2 years' warranty |
| | | | ■ Nominal Output Voltage: 230V |
| | | | ■ Output Connections:(2) IEC 320 C13 (Battery Backup) (4) Universal Receptacle (Battery Backup) |
| | | | ■ Nominal Input Voltage: 230V |
| | | | ■ At most 4 hours charging time |
| | | | 3. Keyboard And Mouse Combo Bundle, USB |
| | | | Item Specification |
| | | | ■ Keyboard |
| | | | ◀ Keycaps: A-Shape, Round Edge |
| | | | ◀ Hotkeys: No |
| | | | ◀ Character: Laser Engraving |
| | | | ◀ Adjustable Keyboard Legs: Yes |
| | | | ◀ Rating: 5 V / 30 mA |
| | | | ■ Mouse |
| | | | ◀ Report Rate: 125 Hz |
| | | | ◀ Sensor: Optical |
| | | | ◀ Resolution: 1000 DPI |
| | | | ◀ Rating: 5 V / 100 mA |
| | | | ◀ Buttons No.: 3 |
| | | | ◀ Ergonomic Design: Symmetric |
| | | | ◀ Size: Middle / Big Hands |
| | | | 4. CPU merge with OS and Offices |
| | | | Item Specification |
| | | | ■ AMD A10-8770 Processor |
| | | | ■ Motherboard compatible with the processor |

| | | | |
|-----|---|------|--|
| | | | <ul style="list-style-type: none"> ■ Kingston 4GB DDR4-2666 Memory ■ CPU Casing w/ PSU ■ 256GB SSD |
| | | | <ul style="list-style-type: none"> 5. Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy) |
| | | | Item Specification |
| | | | <ul style="list-style-type: none"> ■ Tank Ink System ■ Printer Type: Print, Scan and Copy ■ Scanner Type: Flatbed colour image scanner ■ Sensor Type: CIS ■ Optical Resolution: 600 x 1200 dpi ■ Copy Speed: Maximum Copies from Standalone: 20 copies ■ Maximum Copy Size: A4, Letter ■ ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.0 ipm / 1.7 ipm ■ Max Copy Resolution: 300 x 300 dpi ■ Paper Handling: Up to 20 Sheets-Premium Glossy Photo Paper 10 Sheets-Envelope, 30 Sheets-Postcard ■ Output Capacity: Up to 30 sheets ■ A4 plain paper: 20 sheets, Premium Glossy Photo Paper ■ Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24") ■ Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow) ■ Print Direction: Bi-directional printing ■ Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology) ■ Minimum Ink Droplet Size: 3 pl |
| 105 | 2 | pc | Power Supply, 700W Generic <ul style="list-style-type: none"> ■ Max Output: 700watts ■ Input Voltage: 180-240v ■ Current: 5A ■ ATX PSU |
| 106 | 2 | unit | Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy) <ul style="list-style-type: none"> ■ Tank Ink System ■ Printer Type: Print, Scan and Copy ■ Scanner Type: Flatbed colour image scanner ■ Sensor Type: CIS ■ Optical Resolution: 600 x 1200 dpi ■ Copy Speed: Maximum Copies from Standalone: 20 copies ■ Maximum Copy Size: A4, Letter ■ ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.0 ipm / 1.7 ipm ■ Max Copy Resolution: 300 x 300 dpi ■ Paper Handling: Up to 20 Sheets-Premium Glossy Photo Paper 10 Sheets-Envelope, 30 Sheets-Postcard ■ Output Capacity: Up to 30 sheets ■ A4 plain paper: 20 sheets, Premium Glossy Photo Paper ■ Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24") ■ Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow) ■ Print Direction: Bi-directional printing ■ Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology) ■ Minimum Ink Droplet Size: 3 pl |
| 107 | 3 | unit | Printer, Wi-Fi Duplex All-in-One Ink Printer Type: Print, Scan, Copy |

| | | | |
|-----|---|------|--|
| | | | Print Method:On-demand inkjet (piezoelectric) |
| | | | Printer Language:ESC/P-R, ESC/P Raster |
| | | | Nozzle Configuration:180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow) |
| | | | Maximum Resolution:5760 x 1440 dpi |
| | | | Automatic 2-sided Printing:Yes (Up to A4) |
| | | | Scanner Type:Flatbed colour image scanner |
| | | | Sensor Type:CIS |
| | | | Optical Resolution:1200 x 2400 dpi |
| | | | USB:USB 2.0 |
| | | | Network:Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct |
| | | | Network Protocol:TCP/IPv4, TCP/IPv6 |
| | | | LCD Screen:1.44" Colour LCD Screen |
| 108 | 2 | unit | Rechargeable Wireless Keyboard and Mouse Set |
| | | | ■Rechargeable Office Wireless Keyboard and Mouse Set |
| | | | ■Size: 284*121*16.mm |
| | | | ■Weight: 280g |
| | | | ■Connection method: USB receiver/Bluetooth |
| 109 | 2 | unit | Scanner |
| | | | * Automate workflow with fast, two-sided scanning |
| | | | * With 50-page ADF, 1,500-page daily duty cycle, and one-button shortcuts |
| | | | * Can produce up to 40 images per minute ¹ with two-sided scanning and a 50-page automatic document feeder. |
| | | | * Can scan pages up to 8.5 x 122 inches (21.6 cm x 309.9 cm) through the ADF, |
| | | | * And can use the flatbed for bulky media. |
| 110 | 3 | pc | SSD |
| | | | SSD 256GB for Desktop Computer; |
| 111 | 1 | pc | Network-attached Storage (4 - Bay) |
| | | | CPU Model: Intel Celeron J4125 |
| | | | CPU Frequency: 4-core 2.0 (base) / 2.7 (burst) GHz |
| | | | Hardware Encryption Engine (AES-NI) |
| | | | System Memory: 2 GB DDR4 non-ECC |
| | | | Total Memory Slots 1 |
| | | | Maximum Memory Capacity 6 GB (2 GB + 4 GB) |
| | | | 4 Drive Bays |
| | | | 2 M.2 Drive Slots (NVMe) |
| | | | Compatible to Most Drive types (3.5" SATA HDD, 2.5" SATA SSD, M.2 2280 NVMe SSD) |
| | | | Internal Drives : Btrfs EXT4 |
| | | | External Drives : Btrfs EXT4 EXT3 FAT NTFS HFS+ exFAT |
| | | | Hot Swappable Drive |
| | | | 2 RJ-45 1GbE LAN Port |
| | | | USB 3.2 Gen 1 Ports |
| | | | 3-year hardware warranty |
| 112 | 2 | set | Temperature Controller, Digital PID |
| | | | Measuring accuracy: +/-0.5%FS |
| | | | Cold-end compensation tolerance: +/-2 Celsius (can be modified by software in 0~50 Celsius) |
| | | | Resolution: 14 bit |
| | | | Sampling cycle: 0.5 Sec |
| | | | Power : AC 100-240V 50/60HZ |
| | | | Process value (PV), Setting value (SV) |
| | | | PIN control (including ON/OFF, step-type PID and continuous PID) |

| | | | |
|-----|---|--------|--|
| | | | Self-tuning control |
| | | | Relay output: contact capacity 250V AC 3A (resistive load) |
| | | | Proportional band (P): 0~full range (ON/OFF control when set to 0) |
| | | | Detective temperature range: 0 to 400 Celsius |
| | | | Insulation resistance: more than the 50M ohm(500V DC) |
| | | | Insulation resistance : 1500V AC/min |
| | | | Insulation resistance : Power Consumption Less than 10 VA |
| | | | Service environment: 0~50 Celsius |
| | | | environment with no corrosive gas 30~85% RH |
| | | | Aluminum Alloy Heat Sink |
| 113 | 2 | btls | Toner MP 2014H NRG Brand |
| | | | MP2014H Series/MP2700/MP2701; |
| 114 | 2 | pieces | Toner, NPG 67, Black for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine |
| 115 | 2 | pieces | Toner, NPG 67, Cyan for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine |
| 116 | 2 | pieces | Toner, NPG 67, Magenta for Canon C3320 Image Runner advance (photocopier, printer/scanner)machine |
| 117 | 1 | pcs | Toner, NPG 67, Yellow for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine |
| 118 | 2 | pc | Transverse Armoured Stripping Knife 8-28MM Optic Stripper FTTH Armored Fiber Cable Slitter |
| | | | Measuring accuracy: +/-0.5%FS |
| | | | Cold-end compensation tolerance: +/-2 Celsius (can be modified by software in 0~50 Celsius.) |
| | | | Resolution: 14 bit |
| | | | Sampling cycle: 0.5 Sec |
| | | | Power : AC 100-240V 50/60HZ |
| | | | Process value (PV), Setting value (SV) |
| | | | PIN control (including ON/OFF, step-type PID and continuous PID) |
| | | | Self-tuning control |
| | | | Relay output: contact capacity 250V AC 3A (resistive load) |
| | | | Proportional band (P): 0~full range (ON/OFF control when set to 0) |
| | | | Detective temperature range: 0 to 400 Celsius |
| | | | Insulation resistance: more than the 50M ohm(500V DC) |
| | | | Insulation resistance : 1500V AC/min |
| | | | Insulation resistance : Power Consumption Less than 10 VA |
| | | | Service environment: 0~50 Celsius |
| | | | environment with no corrosive gas 30~85% RH |
| | | | Aluminum Alloy Heat Sink |
| 119 | 1 | unit | Tripod |
| | | | 5.5 lb Capacity Flat Base Tripod Head |
| | | | Aluminum 4-Section Tripod Legs |
| | | | Fully Convertible to a Monopod |
| | | | 21.3 to 65" Height Range |
| | | | Independent Pan and Tilt Locks |
| | | | Rubber and Spiked Feet |
| | | | Left/Right Pan Bar Rosette Mounts |
| | | | Carry Case Included |
| | | | Maximum Working Height: 65" / 165.1 cm |
| 120 | 1 | unit | Ubiquiti Unifi HD Access Point 802.11 AC Wave 2 MU-MIMO Indoor (UAP-AC-HD) |
| | | | ■Networking Interface (2) 10/100/1000 Ethernet Ports Buttons |
| | | | Reset Power Method 802.3at PoE+ Supported Voltage Range |

| | | | |
|-----|----|------|--|
| | | | 44 to 57VDC |
| | | | <ul style="list-style-type: none"> ■ Power Supply UniFi Switch (PoE) Power Save Supported Beamforming Supported Maximum Power Consumption 17W TX Power 2.4 GHz 5 GHz 6-25 dBm 6-25 dBm Antennas 2.4 GHz 5 GHz (2) Dual-Port, Dual-Polarity Antennas, 3 dBi each (2) Dual-Port, Dual-Polarity Antennas, 4 dBi each Wi-Fi Standards 802.11 a/b/g/n/r/k/v/ac/ac-wave2 Wireless Security WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES) 802.11w/PMF BSSID Up to 8 |
| | | | ■ Radio Mounting Wall/Ceiling (Kits Included) |
| | | | ■ Operating Temperature -10 to 70° C (14 to 158° F) |
| | | | ■ Operating Humidity 5 to 95% Noncondensing |
| | | | <ul style="list-style-type: none"> ■ Certifications CE, FCC, IC Advanced Traffic Management VLAN 802.1Q Advanced QoS Per-User Rate Limiting Guest Traffic Isolation Supported WMM Voice, Video, Best Effort, and Background Concurrent Clients 1000+ Supported Data Rates (Mbps) Standard Data Rates 802.11a 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n 6.5 Mbps to 450 Mbps (MCS0 - MCS23, HT 20/40) 802.11ac 6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80) 58 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 160) 802.11b 1, 2, 5.5, 11 Mbps 802.11g 6, 9, 12, 18, 24, 36, 48, 54Mbps |
| | | | ■ Should be compatible with the existing fleet of UniFi Access Points and Controller |
| 121 | 3 | pc | Universal HDMI to VGA Adapter Cable, at least 1.8 meters |
| 122 | 2 | unit | UPS |
| | | | ■ Output Power Capacity: 550 Watts/1100 VA |
| | | | ■ Max Configurable Power: 550 Watts/1100 VA 2 years' warranty |
| | | | ■ Nominal Output Voltage: 230V |
| | | | ■ Output Connections: (2) IEC 320 C13 (Battery Backup) (4) Universal Receptacle (Battery Backup) |
| | | | ■ Nominal Input Voltage: 230V |
| | | | ■ At most 4 hours charging time |
| 123 | 4 | unit | UPS 800W (for Computer) |
| | | | ■ Charging time: At most 4 hours; |
| 124 | 10 | pcs | UPS Battery, Generic, 7.2Ah |
| | | | Voltage: 12V Capacity: 7.2Ah Battery Type: Sealed Lead Acid Maintenance Free |
| 125 | 8 | unit | UPS, 1000 VA |
| | | | ■ 1000VA/600W capacity |
| | | | ■ Frequency Range: 60 Hz |
| | | | ■ Freq. Range (Batt. Mode): 60 Hz ± 1 Hz |
| | | | ■ Transfer Time: Typical 4-8 ms |
| | | | ■ Waveform (Batt. Mode): Simulated Sine Wave |
| | | | ■ Back-up Runtime: 10-15 mins |
| | | | ■ Voltage: 220 VAC |
| | | | ■ Voltage Range: 162-270 VAC |
| 126 | 4 | pc | UPS, 650VA, Universal Sockets |
| | | | Output Power Capacity: 325 Watts/650VA |
| | | | Output Frequency: 50/60 Hz +/-1 Hz |
| | | | Output Connections: (2) Universal Receptacle |
| | | | Nominal Input Voltage: 230V |
| | | | Input Connections: NEMA 5-15P |
| | | | Maximum Input Current: 5A |
| | | | Battery Type: Maintenance-free sealed Lead-Acid battery with suspended electrolyte leakproof |
| | | | Recharging Time: 4 Hours |

| | | | |
|-----|---|------|---|
| 127 | 4 | pc | UPS, at least 500 w |
| | | | <i>Recharging Time: at most 4 Hours;</i> |
| 128 | 2 | unit | VOIP Phone |
| | | | ☐1-Line PoE+ SIP VOIP Phone SPA MAC address (IEEE 802.3) with lifetime warranty |
| | | | ☐IPv4 (RFC 791)Integrated web server provides web-based administration and configuration |
| | | | ☐Telephone keypad configuration via display menu/navigation |
| | | | ☐Automated provisioning and upgrade via HTTPS, HTTP, TFTP |
| | | | ☐Asynchronous notification of upgrade availability via NOTIFY |
| | | | ☐Nonintrusive in-service upgrades |
| | | | ☐Report generation and event logging |
| | | | ☐Statistics transmitted in BYE message |
| | | | ☐Syslog and debug server records: configurable per line |
| | | | ☐Address Resolution Protocol (ARP) |
| | | | ☐DNS: A record (RFC 1706), SRV record (RFC 2782) |
| | | | ☐Dynamic Host Configuration Protocol (DHCP) client (RFC 2131) |
| | | | ☐Internet Control Message Protocol (ICMP) (RFC 792) |
| | | | ☐TCP (RFC 793) |
| | | | ☐User Datagram Protocol (UDP) (RFC 768) |
| | | | ☐Real-Time Transport Protocol (RTP) (RFC 1889, 1890) |
| | | | ☐Real-Time Control Protocol (RTCP) (RFC 1889) |
| | | | ☐Differentiated Services (DiffServ) (RFC 2475) |
| | | | ☐Type of service (ToS) (RFC 791, 1349) |
| | | | ☐VLAN tagging 802.1p/Q: Layer 2 quality of service (QoS) |
| | | | ☐Simple Network Time Protocol (SNTP) (RFC 2030)SIP version 2 (RFC 3261, 3262, 3263, 3264) |
| | | | ☐SPCP with the Cisco Unified Communications 500 Series |
| | | | ☐SIP proxy redundancy: dynamic via DNS SRV, A records |
| | | | ☐Reregistration with primary SIP proxy server |
| | | | ☐SIP support in NAT networks (including STUN) |
| | | | ☐SIPFrag (RFC 3420) |
| | | | ☐Secure (encrypted) calling via SRTP |
| | | | ☐Codec name assignment |
| | | | ☐Voice algorithms: |
| | | | ☐G.711 (A-law and μ -law) |
| | | | ☐G.726 (16/24/32/40 kbps) |
| | | | ☐G.729 A |
| | | | ☐G.722 |
| | | | ☐Dynamic payload support |
| | | | ☐Adjustable audio frames per packet |
| | | | ☐Dual-tone multifrequency (DTMF), in-band and out-of-band (RFC 2833) (SIP INFO) |
| | | | ☐Flexible dial plan support with interdigit timers |
| | | | ☐IP address/URI dialing support |
| | | | ☐Call progress tone generation |
| | | | ☐Jitter buffer: adaptive |
| | | | ☐Frame loss concealment |
| | | | ☐Comfort Noise Generation (CNG) |
| | | | ☐Voice activity detection (VAD) with silence suppression |
| | | | ☐Attenuation/gain adjustments |
| | | | ☐VMWI - Voicemail Waiting Indicator, via NOTIFY, SUBSCRIBE |
| | | | ☐Caller ID support (name and number) |
| | | | ☐Third-party call control (RFC 3725) |

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| | | | <ul style="list-style-type: none"> ■ Should be compatible with existing fleet of VSU IP Phones |
| 129 | 2 | unit | VoIP, Telephone |
| | | | Features |
| | | | Display: White backlit, greyscale, 3.5-inch (396x162 pixels) display |
| | | | Call Appearance: 16 voice lines |
| | | | Fixed Feature Buttons: Messaging, Service, Directory, Hold/Resume, Transfer, Conference, Volume Control, Speakerphone, Headset, and Mute |
| | | | Navigation Keys: Two-way navigation and select keys |
| | | | Programmable Line/Feature Keys: 16 programmable keys that support either lines (such as directory numbers), or call features (such as speed dialing). |
| | | | Programmable Softkeys: 4 buttons |
| | | | Button Module Expansion: No |
| | | | Speakerphone: Includes high-quality, 2-way speakerphone |
| | | | Audio: Wideband audio enhances clarity with the handset, speaker, or headset |
| | | | Codecs: G.711 (A-law and m-law), G.722.2, G.722, G.729ab, iLBC, iSAC, OPUS, Narrowband Opus DTMF: In-band, out-of-band (RFC 2833), and SIP INFO Early Media and Preconditions MOS Score Reporting (Telchemy) |
| | | | Wall-Mountable: Yes, requires optional Cisco 7800 Series Wall Mount Kit |
| | | | Ethernet Connectivity: Dual Ethernet (10/100) line interface (PC Pass Through & Network Connection) |
| | | | Headset Port: Includes RJ9 headset port with EHS support |
| | | | Message Waiting Indicator: Yes |
| | | | Adjustable Tilt Display: No |
| | | | Network Security: Certificates, Image authentication, Device authentication, File authentication, Signaling authentication, Media encryption using Secure Real-Time Transfer Protocol (SRTP) using AES-128, Signaling encryption using Transport Layer Security (TLS) Protocol using AES-128 or AES-256, Encrypted configuration files, 802.1X authentication, Cryptography |
| | | | POWER REQUIREMENTS |
| | | | Supports 802.3af Power-over-ethernet (PoE) |
| | | | Can also be powered via optional power adapter if PoE is not available on your network (power supply sold separately – see accessories above) |
| | | | System Compatibility |
| | | | MUST have with Multiplatform Phone Firmware |
| | | | Compatible with existing VSU fleet |
| 130 | 2 | pcs | Web Camera for Laptop and Desktop |
| | | | <ul style="list-style-type: none"> ■ About 360 degrees, rotate up and down 45 degrees, you can adjust the angle. ■ With clips for laptops and desktops. ■ Sensor pixels: 2 million ■ Interface: USB 2.0 ■ Frame rate: 30 FPS ■ Image sensor: CMOS ■ Brightness/color: automatically adjusts ■ Additional features: built-in microphone |
| 131 | 3 | unit | Wifi Access Point (Existing fleet of VSU Access Points) |
| | | | UAP-nanoHD |
| | | | Dimensions: 160 x 160 x 32.65 mm (6.30 x 6.30 x 1.29") |
| | | | Weight: 300 g (10.6 oz) |

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| | | | <i>With Mounting Kits: 315 g (11.1 oz)</i> |
| | | | <i>Networking Interface: (1) 10/100/1000 Ethernet Port</i> |
| | | | <i>Buttons: Reset</i> |
| | | | <i>Power Method: 802.3af PoE</i> |
| | | | <i>Power Supply: UniFi Switch (PoE)</i> |
| | | | <i>Power Save: Supported</i> |
| | | | <i>Beamforming: Supported</i> |
| | | | <i>Maximum Power Consumption: 10.5W</i> |
| | | | <i>Supported Voltage Range: 44 to 57VDC</i> |
| | | | <i>TX Power</i> |
| | | | <i>2.4 GHz: 23 dBm</i> |
| | | | <i>5 GHz: 26 dBm</i> |
| | | | <i>MIMO</i> |
| | | | <i>2.4 GHz: 2x2</i> |
| | | | <i>5 GHz: 4x4</i> |
| | | | <i>Radio Rates</i> |
| | | | <i>2.4 GHz: 300 Mbps</i> |
| | | | <i>5 GHz: 1733 Mbps</i> |
| | | | <i>Antennas</i> |
| | | | <i>2.4 GHz: (2) Single-Port, Single-Polarity Antennas, 2.8 dBi each</i> |
| | | | <i>5 GHz: (2) Single-Port, Dual-Polarity Antennas, 3 dBi each</i> |
| | | | <i>Wi-Fi Standards: 802.11 a/b/g/n/r/k/v/ac/ac-wave2</i> |
| | | | <i>Wireless Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES), 802.11w/PMF</i> |
| | | | <i>BSSID: 8 per Radio</i> |
| | | | <i>Mounting: Wall/Ceiling (Kits Included)</i> |
| | | | <i>Operating Temperature: -10 to 70 C (14 to 158 F)</i> |
| | | | <i>Operating Humidity: 5 to 95% Noncondensing</i> |
| | | | <i>Certifications: CE, FCC, IC</i> |
| | | | <i>Advanced Traffic Management</i> |
| | | | <i>VLAN: 802.1Q</i> |
| | | | <i>Advanced QoS: Per-User Rate Limiting</i> |
| | | | <i>Guest Traffic Isolation: Supported</i> |
| | | | <i>WMM: Voice, Video, Best Effort, and Background</i> |
| | | | <i>Concurrent Clients: 200+</i> |
| | | | <i>Supported Data Rates (Mbps)</i> |
| | | | <i>Standard Data Rates</i> |
| | | | <i>802.11a 6,9,12,18,24,36,48,54 Mbps</i> |
| | | | <i>802.11n 6.5 Mbps to 300 Mbps (MCS0-MCS15, HT 20/40)</i> |
| | | | <i>802.11ac 6.5 Mbps to 1.7 Gbps (MCS0-MCS9 NSS1/2/3/4, VHT 20/40/80)</i> |
| | | | <i>58 Mbps to 1.7 Gbps (MCS0-MCS9 NSS1/2, VHT 160)</i> |
| | | | <i>802.11b 1, 2, 5.5, 11 Mbps</i> |
| | | | <i>802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps</i> |
| 132 | 1 | unit | WiFi router |
| | | | ■ <i>Wired standard: IEEE802.3, IEEE802.3u</i> |
| | | | ■ <i>Interface: 10 / 100Mbps WAN port * 1 10/100Mbps LAN ports*3</i> |
| | | | ■ <i>Antenna: 6dBi external dual-frequency omnidirectional antenna * 5</i> |
| | | | ■ <i>Button: WiFi on / off * 1, WPS / Reset button * 1</i> |
| 133 | 1 | pc | Wireless Optical Mouse |
| | | | ■ <i>Adjustable 500/1000 DPI high-definition tracking engine</i> |
| | | | ■ <i>Reliable 2.4GHz wireless connection, perfect for anti-</i> |

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| | | | <i>jamming</i> |
| | | | ■ Supports 4D scroll wheel and optical buttons No installation software or drivers required: plug and play |
| | | | ■ Powered by AA alkaline batteries, you can use this mouse with only one battery |
| 134 | 2 | unit | Drone (Professional Quadcopter With 5.5" Screen) |
| | | | <i>Ready To Fly.</i> |
| | | | <i>Obstacle sensing: 5-way.</i> |
| | | | <i>Obstacle avoidance: 4-way.</i> |
| | | | <i>Redundant sensors: obstacle avoidance, dual compasses, dual IMUs.</i> |
| | | | <i>Range: 4.3 miles.</i> |
| | | | <i>Maximum flight time: 30 minutes.</i> |
| | | | <i>Top speed: 45 mph.</i> |
| | | | <i>Big 1-inch sensor.</i> |
| | | | <i>5.5-inch video monitor for controller.</i> |
| | | | <i>4K video @ 60fps.</i> |
| | | | <i>20MP stills, up to 14fps bursts.</i> |
| | | | <i>Mechanical shutter that eliminates rolling distortion.</i> |
| | | | <i>Wireless compatibility</i> |
| | | | <i>Active-Track for locking onto and tracking subjects.</i> |
| 135 | 2 | unit | USB 3.0 Hub, 7 Ports |
| | | | ■ USB 3.0 HUB, 7 Ports, High Speed Strong Power USB HUB 3.0 |
| | | | ■ Up to 5Gbps Super-Speed, High speed 480Mbps, Full Speed 12Mbps, and Low Speed 1.5Mbps Transmission |
| | | | ■ Support 2TB large capacity HDD |
| | | | ■ Plug and Play, No driver required |
| | | | ■ compatible with windows series, Mac OS, Linux, |
| | | | ■ Interface independent switch design |
| | | | ■ DC 5V power supply port |
| 136 | 5 | pc | Computer HD Webcam |
| | | | ■ 1080P Full HD Webcam |
| | | | ■ Lens: HD lens |
| | | | ■ Sensor Type: CMOS |
| | | | ■ Video Format: AVI |
| | | | ■ Frame Rate: at least 30FPS |
| | | | ■ Drive Type: free drive. Plug and play |
| | | | ■ Photo Format: BMP JPG |
| | | | ■ Resolution: 1920 * 1080 P |
| | | | ■ Output Format: M-JPEG |
| | | | ■ Interface Type: USB2.0 |
| | | | ■ Microphone: Built-in microphone |
| | | | ■ Focusing Range: 20mm |
| 137 | 1 | pc | Computer Motherboard - H310M H 2.0 |
| 138 | 3 | pair | Multimedia Speakers 2.0, 6W, USB powered |
| | | | <i>Total Output Power (RMS): 6W</i> |
| | | | <i>Satellite wattage (RMS): 3W</i> |
| | | | <i>Satellite Driver : Size : 2.5"</i> |
| | | | <i>Frequency Range: 70-20000 Hz</i> |
| | | | <i>Interface: 3.5mm jack</i> |
| | | | <i>Housing material : ABS</i> |
| | | | <i>Controls: Overall Volume</i> |
| | | | <i>Power Supply: via USB, 5V</i> |
| 139 | 1 | unit | Thermal Receipt Printer |
| | | | <i>Receipt Ticket Thermal Printer</i> |
| 140 | 2 | unit | UPS 1200VA-650W Uninterruptible Power Supply |

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| | | | 5 outlets (4 universal, 1 IEC 60320 C13), 1200VA/650W, AVR Technology, Surge Protection, Easy to use |
| | | | Output Capacity: 1200VA/650W |
| | | | Output (on battery): 220V-240V, 50/60Hz +/- 1Hz |
| | | | Input Power: 220V-240V, 50/60Hz +/- 5Hz (auto sensing) |
| | | | Surge: 273 J |
| | | | Battery recharge time: 8 hours |
| | | | No. of Outlets: 5 - 4 universal, 1 IEC 60320 C13 |
| | | | Dimension: 39 x 19 x 14 cm |
| | | | Battery Type: Lead-Acid |
| 141 | 3 | pc | Window speaker intercom system |
| | | | ■Dual-way anti-interference intercommunication |
| | | | ■Connection cable length: at least 8m / 26.25ft |
| | | | ■Working voltage: DC12V / 500mA |
| | | | ■Adapter: AC 110/220V 50/60Hz |
| | | | ■Main sound (sub sound): 3W+3W |
| | | | ■Microphone sensitivity: -48db 20Hz-16KHz |
| | | | ■Material: aluminum alloy shell |
| 142 | 2 | units | UPS Battery Backup, 1500VA |
| | | | ■ Capacity: at least 1500VA/900w |
| | | | Output voltage: 220 |
| | | | Output frequency: 57-63 Hz for 60 Hz (or 50/60 Hz ± 3 Hz Sync to mains) |
| | | | Input: 200 – 240 V, 50/60 HZ, 16.0 A maximum |
| | | | Input frequency: 50/60 Hz +/- 3 Hz Auto-sensing |
| | | | ■6 battery backup sockets |
| | | | ■USB, coax, phone/network, and serial ports |
| | | | ■ with Automatic Voltage Regulation (AVR) |
| | | | ■LCD screen |
| | | | ■at most 4 hours charging time |
| 143 | 1 | pc | Ink, Brother LC-539XL, Cyan |
| 144 | 1 | pc | Ink, Brother LC-539XL, Magenta |
| 145 | 4 | unit | Apple iPad 10.9 Wifi |
| | | | ■10.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology |
| | | | ■2360-by-1640-pixel resolution at 264 pixels per inch (ppi) |
| | | | ■8-core CPU; 8-core GPU Neural Engine 8GB RAM |
| | | | ■256 GB storage |
| | | | ■WiFi model |
| | | | ■USB-C Charge Cable (1 meter) |
| | | | ■20W USB-C Power Adapter |
| | | | ■Compatible with existing Apple devices |
| 146 | 2 | unit | Monitor, 27" IPS, 4K (3840 x 2160) |
| | | | ■Size (Inch): 27 Inch |
| | | | ■Resolution: 3840 x 2160 |
| | | | ■Panel Type: IPS |
| | | | ■Aspect Ratio: 16:9 |
| | | | ■Pixel Pitch: 0.1554 x 0.1554 mm |
| | | | ■Brightness (Typ.): 300 cd/m ² |
| | | | ■Color Gamut (Typ.): sRGB 98% (CIE1931). |
| | | | ■Color Depth (Number of Colors): 1.07B |
| | | | ■Contrast Ratio (Min.): 700:1 |
| | | | ■Contrast Ratio (Typ.): 1000:1 |
| | | | ■Response Time 5ms (GtG at Faster) |
| | | | ■Viewing Angle (CR≥10) 178°(R/L), 178°(U/D) |
| | | | ■Surface Treatment Anti-Glare |
| 147 | 3 | unit | External Hard Disk Drive (Portable, 4TB), USB 3.1 |

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| | | | <ul style="list-style-type: none"> ■ Shock-absorbing ■ Interface: USB 3.1 (Max.5Gb/s) ■ Capacity: 4TB ■ Texture: Plastic/Rubber ■ Operating Voltage: DC 5V, 900mA ■ System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later |
| 148 | 2 | unit | <p>SDS: 8417M Micro Cut Paper Shredder</p> <p>Paper Shredder</p> <p>Features:</p> <ul style="list-style-type: none"> - Sheets / Pass: 17 Pages - Cut Type: Micro-Cut - Cut Size: 2mmx10mm - Security: High Security Level Din-P-5 - Users: 5+ - Bin Size: 26L - Safety: Safe touch function - stops shredder immediately when hand is detected too close to the paper opening - Shreds: Paper, staples, paper clips, CDs, credit cards - Warranty: 1 Year - LCD display, retractable cover guard, easy carry handles, bin level indicator, easy roll wheels <p>What's in the box</p> <ul style="list-style-type: none"> 1 x Shredder 1 x Manual |
| 149 | 1 | unit | <p>Computer Printer</p> <ul style="list-style-type: none"> ■ Compact integrated tank design ■ Print speeds up to 10.5ipm for black and 5.0ipm for colour ■ Auto-duplex printing ■ Wi-Fi & Wi-Fi Direct ■ Borderless Printing up to A4 size ■ Spill-free ink refilling ■ Warranty of 2 years or 30,000 pages, whichever comes first ■ Printer Type: <ul style="list-style-type: none"> ◀ Print, Scan, Copy ■ Printing Technology: <ul style="list-style-type: none"> ◀ On-demand inkjet (piezoelectric) ■ Minimum Ink Droplet Volume: <ul style="list-style-type: none"> ◀ 3 pl ■ Printer Language: <ul style="list-style-type: none"> ◀ ESC / P-R ■ Print Direction: <ul style="list-style-type: none"> ◀ Bi-directional printing, Uni-directional printing ■ Nozzle Configuration: <ul style="list-style-type: none"> ◀ 180 nozzles Black, 59 nozzles per colour (Cyan, Magenta, Yellow) ■ Maximum Resolution: <ul style="list-style-type: none"> ◀ 5760 x 1440 dpi (with Variable-Sized Droplet Technology) ■ Automatic 2-sided Printing: <ul style="list-style-type: none"> ◀ Yes (up to A4) ■ Print Speed: <ul style="list-style-type: none"> ◀ Photo Default - 10 x 15 cm / 4 x 6 " *2: <ul style="list-style-type: none"> ◀ 1Approx. 69 sec per photo (Border) *1 ◀ Approx. 92 sec per photo (Borderless) *1 ◀ Draft, A4 (Black / Colour): <ul style="list-style-type: none"> ◀ Up to 33 ppm / 15 ppm *1 |

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| | | <ul style="list-style-type: none"> ■ ISO 24734, A4 Simplex (Black / Colour): ◀ Up to 10.5 ipm / 5.0 ipm *1 ■ ISO 24734, A4 Duplex (Black / Colour): ◀ Up to 6.0 ipm / 4.0 ipm *1 ■ Copy Speed: ■ Copy Quality: ◀ Draft / Standard / Best Quality ■ Maximum Copies from Standalone: ◀ 99 copies ■ Reduction / Enlargement: ◀ 25 - 400%, Auto Fit Function ■ Maximum Copy Size: ◀ A4, Letter ■ ISO 29183, A4 Simplex Flatbed (Black / Colour): ◀ Up to 7.7 ipm / 3.8 ipm ■ Max Copy Resolution:0 ◀ 1440 x 720 dpi ■ Scan Function: ■ Scanner Type: ◀ Flatbed colour image scanner ■ Sensor Type: ◀ CIS ■ Optical Resolution: ◀ 1200 x 2400 dpi ■ Maximum Scan Area: ◀ 216 x 297 mm (8.5 x 11.7 ") ■ Scanner Bit Depth (Colour): ◀ 48-bit input, 24-bit output ■ Scanner Bit Depth (Grayscale): ◀ 16-bit input, 8-bit output ■ Scanner Bit Depth (Black & White): ◀ 16-bit input, 1-bit output ■ Scan Speed: ■ Flatbed (Black / Colour): ◀ 200 dpi: 11 sec / 200 dpi: 28 sec ■ Paper Handling: ■ Number of Paper Trays: ◀ 1 (Paper Cassette) ■ Standard Paper Input Capacity: ◀ 100 sheets, A4 Plain paper (80 g/m2) ◀ 20 sheets, Premium Glossy Photo Paper ■ Output Capacity: ◀ 30 sheets, A4 Plain Paper ◀ 20 sheets, Premium Glossy Photo Paper ■ Maximum Paper Size: ◀ 215.9 x 1200 mm (8.5 x 47.24 ") ■ Paper Feed Method: ◀ Friction feed ■ Paper Size: ◀ Legal, 8.5 x 13 ", Letter, A4, 195 x 270 mm, B5, A5, A6, 100 x 148 mm, B6, 5 x 7 ", 4 x 6 ", Envelopes #10, DL, C6 ■ Print Margin: ◀ 0 mm top, left, right, bottom via custom settings in printer driver (except plain paper) *3 ■ Card Slot / USB Host Function: ■ Type of Direct Printing: ◀ Memory Device |
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| | | | <ul style="list-style-type: none"> ■ Supported Memory Cards: ◀ SD Memory Card ■ Printer Software: ■ Operating System Compatibility: ◀ Windows XP / XP Professional x 64 Edition / Vista / 7 / 8 / 8.1 / 10 ◀ Windows Server 2003 / 2008 / 2012 / 2016 ◀ Only printing and scanning functions are supported for Windows Server OS ◀ Mac OS X 10.6.8 or later ■ Interface: ■ USB: ◀ USB 2.0 ■ Network: ◀ Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct ■ Network Protocol: ◀ TCP/IPv4, TCP/IPv6, LPD, IPP, PORT9100, WSD |
| 150 | 1 | unit | <p>Printer All-inOne System With Wi-fi, ADF and Ink Tank system</p> <ul style="list-style-type: none"> ■ PRINTER TYPE: ◀ Print, Scan, Copy, Fax with ADF ■ ISO PRINT SPEED (BLACK/COLOUR): ◀ Up to 10 ipm / 5.0 ipm ■ ISO PRINT SPEED (BLACK/COLOUR): ◀ Up to 7.7 ipm / 3.8 ipm ■ MAXIMUM COPY SIZE: Legal ■ SCAN SPEED (FLATBED / ADF): ◀ 12 sec / 4.5 ipm (black), 29 sec / 4.5 ipm (colour) ■ TYPE OF FAX: ◀ Walk-up Black and white and colour fax capability ■ SUPPORTED OS & APPLICATIONS: ◀ Windows XP / Vista / 7 / 8 / 8.1 / 10 ◀ Windows Server 2003 / 2008 / 2012 / 201 ◀ Mac OS X 10.6.8 or later ■ INTERFACE: ◀ USB 2.0, Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct |
| 151 | 4 | units | <p>Desktop Computer, All-In-One (AIO), 21.5" IPS</p> <ul style="list-style-type: none"> ■ Processor: Intel Core i3-1005G1 (2C / 4T, 1.2 / 3.4GHz, 4MB) or higher ■ Graphics: Integrated Intel UHD Graphics ■ Chipset: Intel SoC Platform Memory: 1x 8GB SO-DIMM DDR4-3200 ■ Memory Slots: Two DDR4 SO-DIMM slots, dual-channel capable ■ Max Memory: Up to 16GB DDR4-3200 ■ Storage: 512GB SSD M.2 2280 PCIe 3.0 NVMe ■ Display: 21.5" FHD (1920x1080) IPS 250nits ■ Touchscreen: None ■ Keyboard: Calliope Wireless Keyboard ■ Mouse: Calliope Wireless Mouse ■ Expansion Slots: Two M.2 slots (one for WLAN, one for SSD) ■ Ethernet: Integrated 100/1000M WLAN + Bluetooth: 11ax, 2x2 + BT5.0 ■ Rear Ports: 1x power connector 1x HDMI 1.4 out 1x Ethernet (RJ-45) 2x USB 2.0 1x USB 3.1 Gen 1 ■ Left Ports: 1x headphone / microphone combo jack (3.5mm) 1x card reader 1x USB 3.1 Gen 1 |

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| 152 | 1 | set | Desktop Computer (i3, 11th Gen) | |
| | | | ■Processor: Intel Core i3-11300 (4 cores /8 threads) or higher | |
| | | | ■Motherboard: Intel H510M Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1200 | |
| | | | ■8GB DDR4 2933 DIMM Desktop Memory or higher | |
| | | | ■SSD: 240GB NVMe or higher | |
| | | | ■Keyboard and Mouse Combo | |
| | | | ■Casing with Power Supply | |
| | | | ■Monitor: 18.5 inch, HD Ready (1366 X 768), TN Panel Connectivity Port: 1 VGA Port, 1 HDMI Port / Aspect Ratio: 16:9, Brightness (Typical): 200 cd/m2 / Refresh Rate: 60 Hz, | |
| | | | ■Operating System: Genuine Windows 10 Home (OEM) | |
| | | | ■AVR: 500W IC controlled | |
| 153 | 4 | unit | External Hard Disk Drive (Portable, 2TB), USB 3.1 | |
| | | | ■Shock-absorbing | |
| | | | ■Interface: USB 3.1 (Max.5Gb/s) | |
| | | | ■Capacity: 2TB | |
| | | | ■Texture: Plastic/Rubber | |
| | | | ■Operating Voltage: DC 5V, 900mA | |
| | | | ■System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later | |
| 154 | 2 | unit | GPS, Waterproof Hiking | |
| | | | General | |
| | | | Physical Dimensions - 2.7" x 6.2" x 1.2" (6.9 x 15.7 x 3.0 cm) | |
| | | | Display Size - 1.6" x 2.2" (4.1 x 5.6 cm) | |
| | | | Display Type - 256 color transfective TFT | |
| | | | Weight - 7.7 oz (218 g) with batteries | |
| | | | Battery Type - 2 AA batteries | |
| | | | Battery Life - 18 hours, typical | |
| | | | Watering Rating - IPX7 | |
| | | | High-Sensitivity Receiver - Yes | |
| | | | Maps & Memory | |
| | | | Ability to add maps - Yes | |
| | | | Basemap - Yes | |
| | | | Automatic routing (turn by turn routing on roads) - Yes | |
| | | | External Memory Storage - 128 microSD card (included) | |
| | | | Waypoints/favorites/locations - 1000 | |
| | | | Track Log - 10,000 points; 20 saved tracks | |
| | | | Routes - 50 | |
| | | | Outdoor Recreation | |
| | | | Hunt/Fish Calendar - Yes | |
| | | | Sun and Moon information - Yes | |
| | | | Geocaching-Friendly - Yes | |
| | | | Sensors | |
| | | | Barometric Altimeter - Yes | |
| | | | Compass - Yes | |
| | | | Area Calculation - Yes | |
| 155 | 10 | pc | Ink cartr HP # Q6003A, magenta | |

Section VII. Technical Specifications

Technical Specifications

| Item # | Qty | Unit | Description | Statement of Compliance |
|--------|-----|------|---|---|
| 1 | 5 | unit | 13.6" Laptop, Liquid Retina Display, M2 Chip, 8GB RAM | [Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.] |
| | | | M2 chip with 8-core CPU, 10-core GPU, 16-core Neural Engine | |
| | | | 8GB unified memory | |
| | | | 512GB SSD storage | |
| | | | 13.6-inch Liquid Retina display with True Tone ³ | |
| | | | 1080p FaceTime HD camera | |
| | | | MagSafe 3 charging port | |
| | | | Two Thunderbolt / USB 4 ports | |
| | | | 70W USB-C Power Adapter | |
| | | | Backlit Magic Keyboard with Touch ID - US English | |
| 2 | 2 | unit | 15.3" Laptop, Liquid Retina Display, M2 Chip, 16GB RAM | |
| | | | M2 chip with 8-core CPU, 10-core GPU, 16-core Neural Engine | |
| | | | 16GB unified memory | |
| | | | 512GB SSD storage | |
| | | | 15.3-inch Liquid Retina display with True Tone ³ | |
| | | | 1080p FaceTime HD camera | |
| | | | MagSafe 3 charging port | |
| | | | Two Thunderbolt / USB 4 ports | |
| | | | 70W USB-C Power Adapter | |
| | | | Backlit Magic Keyboard with Touch ID - US English | |
| 3 | 20 | pc | 3M RJ-45 Volition U.S. Faceplate face plate panel double port 2-Port IO Information Outlet plate | |
| | | | ■Original 3M | |
| | | | ■IO Information Outlet plate | |
| | | | ■Ensure easy fitting and smart presentation of the RJ45 jacks | |
| | | | ■The Keystone mounting feature of the Jack may allow you to use other Keystone boxes or faceplates. | |
| | | | ■High performance | |
| | | | ■Brand new | |
| | | | ■comes with 2 pcs screws | |
| | | | ■Existing fleet of VSU Faceplate and should be compatible with existing keystone | |
| 4 | 38 | pc | 3M Volition Cat6 8-Way Female Tool-less IO Information Outlet RJ45 Connector Keystone Mount | |
| | | | ■Original 3M | |
| | | | ■IO Information Outlet | |
| | | | ■Tool-less jack • | |
| | | | ■Re-usable • | |
| | | | ■Shallow Depth, Cable Entry from top or bottom • | |
| | | | ■Keystone Mounting • | |
| | | | ■Accepts both solid conductors from AWG 26 to 22 and stranded conductors • | |
| | | | ■Integral shutter Benefits • | |
| | | | ■Easy and quick to install • | |
| | | | ■Fast reliable connection in record time: 8 copper conductor wired in a single connection • | |
| | | | ■Quality of connection by design: not dependant on tool condition or operator skills | |
| | | | ■Consistent results • | |
| | | | ■Easier cable management • | |

| | | | |
|----------|----------|-------------|---|
| | | | <ul style="list-style-type: none"> ■ No need to use a new jack if a wiring mistake is made • ■ More space and flexibility to ensure the cable minimum bend radius is never compromised • ■ Compatibility between Volition copper and fiber jacks and many other accessories on the market using the standard keystone mounting • ■ Compatible with all cables on the market and enables 'jack to plug' cables to be manufactured using stranded conductors • ■ Increased dust protection, especially during installation • No additional shuttering required on faceplates • ■ Higher port density • ■ Allows direct mounting into floor boxes • ■ An integral shutter protects the jack in the patch panel • ■ Should be compatible with the existing fleet of VSU faceplates |
| 5 | 1 | lot | 5 Units of Projector |
| | | | Specification: |
| | | | Projection System Technology: RGB liquid crystal shutter projection system (3LCD), 3-chip technology |
| | | | White Light Output (Normal/Eco):3,600 lm |
| | | | Colour Light Output:3,600 lm |
| | | | Resolution XGA, at least 1024 x 768, |
| | | | Analog Input: D-Sub 15pin: 1 |
| | | | Digital Input: HDMI: 1 |
| | | | LCD: Native Resolution: XGA (1024 x 768) |
| | | | Size: 0.55" (C2fine) |
| | | | Light source: Type: 210W UHE |
| | | | Life (Normal / Eco): 6,000 / 12,000 hours |
| | | | Aspect Ratio:4:3 |
| | | | USB Interface: USB Type B: 1 (For Firmware Update, Copy OSD Settings) |
| | | | Analog Input: D-Sub 15pin: 1 |
| | | | Digital Input: HDMI: 1 |
| 6 | 2 | unit | All-in-One Ink Tank Printer Wi-Fi Duplex with ADF |
| | | | ■ Compact integrated tank design |
| | | | ■ Print speeds up to 15ipm for black and 8.0ipm for colour |
| | | | ■ Auto-duplex printing Fax and ADF capability / Ethernet & |
| | | | ■ Wi-Fi Direct |
| | | | ■ Borderless Printing up to A4 size |
| | | | ■ Spill-free ink refilling |
| | | | ■ Control Panel: 2.4 " Colour LCD Touch Panel |
| 7 | 2 | unit | All-in-One Ink Tank Printer with ADF |
| 8 | 1 | pc | All-in-One-Printer |
| | | | Inktank 3 in 1 Printer Continuous Ink with Scanner and Xerox |
| | | | Ultra-low-cost printing: Save up to 90% on the cost of ink |
| | | | Next generation ink filling system: Enjoy hassle and mess-free refills with enhanced ink bottles |
| | | | Reliable results: Micro Piezo technology, Epson genuine ink, warranty |
| | | | 3-in-1:Print, copy & scan and borderless 10x15cm photo printing |
| | | | Print Resolution: 5760 x 1440 DPI |
| | | | Print Speed: 10 pages/min Monochrome, 5 pages/min Colour |
| | | | 5760 x 1400 DPI |
| | | | Compatible: Mac OS 10.10.x, Mac OS 10.7.x, Mac OS 10.8.x, Mac OS 10.9.x, Mac OS X 10.6.8 or later, Windows 10,Windows 7,Windows 7x64, Windows 8, Windows 8 (32/64 |

| | | | |
|----|----|------|---|
| | | | bit), Windows 8.1, Windows 8.1 x64 Edition, Windows Vista, Windows Vista x64, Windows XP, Windows XP x64, XP Professional x64 Edition |
| 9 | 14 | pc | ATX Power Supply (500W) |
| | | | ■Single 6pin |
| | | | ■24pin connector |
| | | | ■Dual 4pin for board |
| | | | ■4 sata supply |
| | | | ■4 molex supply |
| 10 | 1 | unit | Audio Mixer, 10-channel Mixer with USB and Effects |
| | | | GigFX effects engine delivers 24 effects including reverbs, delays, and choruses |
| | | | 4 Mic preamps (XLR) deliver clear signal and 60dB of gain |
| | | | Rugged design will stand up to the wear and tear of the road |
| | | | 3 Band EQ and 100Hz low-cut filter on all channels |
| | | | Built-in channel compression |
| | | | 48-volt phantom power on all mic channels |
| | | | 24-bit/192kHz A/D for unmatched audio quality |
| | | | USB for playback music and recording into your computer |
| | | | Balanced XLR and balanced/unbalanced outputs |
| 11 | 3 | unit | Automatic Voltage Regulatory (AVR), 1500W, heavy duty |
| | | | ■Input: 220volts |
| | | | ■Power: 1500watts |
| | | | ■Output: 110-220 volts |
| | | | ■Range voltage 120v-220 volts |
| | | | ■Servo motor controlled |
| 12 | 7 | unit | AVR, 500W (IC Controlled) |
| | | | ■Power Output: 500 W |
| | | | ■Power Factor Correction (PFC): Active PFC with Value of 0.98 |
| | | | ■Fan Type: 1 x 120 mm Smart and Silent Fan Control 22 dBA |
| | | | ■Safety Standards: FCC, CB, CCC, TUV, CE, C-tick, EMI, EMC, S-Intertek, CPT-AB15 |
| 13 | 1 | pc | Battery Charger for 9 Volts Battery |
| | | | For 9 volts rechargeable batteries *Charges 2x rechargeable batteries (9 volts) at the same time\ |
| | | | *With 110v & 220v setting |
| | | | Compatible with Nickel-Cadmium & Nickel-Metal Hydride rechargeable batteries |
| 14 | 1 | pc | Battery, Li-ion EN-EL5 for Camera Coolpix P520 |
| | | | good quality |
| | | | Fit for camera coolpix P520 |
| | | | Rechargeable |
| | | | 3.7V |
| | | | 1100mAh |
| 15 | 1 | pc | Canon Cartridge 054 Toner - Black |
| | | | For Canon Generic UFR II Printer Model: LBP621C |
| | | | Color: Black |
| 16 | 1 | pc | Canon Cartridge 054 Toner - Magenta |
| | | | For Canon Generic UFR II Printer Model: LBP621C |
| | | | Color: Magenta |
| 17 | 1 | pc | Canon Cartridge 054 Toner - Yellow |
| | | | For Canon Generic UFR II Printer Model: LBP621C |
| | | | Color: Yellow |
| 18 | 1 | pc | Canon Cartridge 054 Toner-Cyan |
| | | | For Canon Generic UFR II Printer Model: LBP621C |
| | | | Color: Cyan |

| | | | |
|----|----|------|---|
| 19 | 5 | set | Canon Pixma Ink Bottle,GI-71(Black, Cyan, Magenta, Yellow) |
| | | | <i>Black - 135ml per bottle</i> |
| | | | <i>Colored - 70ml per bottle</i> |
| | | | <i>Set includes all four colors</i> |
| | | | <i>Compatible with: Canon Pixma G1020 Canon Pixma G2020 Canon Pixma G3020 Canon Pixma G3060</i> |
| 20 | 4 | pc | Computer Keyboard USB |
| | | | ■ <i>Standard Keyboard with 104 Keys</i> |
| | | | ■ <i>USB Connection</i> |
| | | | ■ <i>Low Profile Key Caps</i> |
| | | | ■ <i>Minimum Key Noise</i> |
| | | | ■ <i>Laser Printing for Key Layout</i> |
| | | | ■ <i>Spill Resistant Design</i> |
| 21 | 1 | pc | Computer Monitor 21.5", VA |
| | | | <i>Size: 21.5"</i> |
| | | | <i>Panel Type: VA</i> |
| | | | <i>Resolution: 1920x1080 (FHD)</i> |
| | | | <i>Refresh Rate: 75Hz</i> |
| | | | <i>Response Time: 5MS</i> |
| | | | <i>Interface: VGA, HDMI</i> |
| | | | <i>With a slim and 3-sided frameless design</i> |
| | | | <i>Flicker Free and Low Blue Mode eye protection technology</i> |
| | | | <i>VESA mount compatibility</i> |
| 22 | 2 | set | Computer Monitor 24", IPS, Bezel-less Full HD Monitor |
| | | | ■ <i>Panel Type: IPS</i> |
| | | | ■ <i>Brightness(Typical): 250cd/m²</i> |
| | | | ■ <i>Brightness(Min): 200cd/m²</i> |
| | | | ■ <i>Contrast Ratio Static: 1000:1(typical)</i> |
| | | | ■ <i>Dynamic Contrast Ratio: MegaFlat</i> |
| | | | ■ <i>Resolution: 1920x1080</i> |
| | | | ■ <i>Response Time: 5ms(GTG)</i> |
| | | | ■ <i>Max Color Support: Max 16.7M</i> |
| | | | ■ <i>Max Refresh Rate: Max 75Hz</i> |
| | | | ■ <i>Interface: D-sub(x1), HDMI(x1)</i> |
| 23 | 9 | unit | Computer Printer 3-in-1 |
| | | | ■ <i>with CIS Filled with Inks</i> |
| | | | ■ <i>Compact integrated tank design</i> |
| | | | ■ <i>High yield ink bottles</i> |
| | | | ■ <i>Spill-free, error-free refilling</i> |
| | | | ■ <i>Wi-Fi, Wi-Fi Direct</i> |
| | | | ■ <i>Borderless printing up to 4R</i> |
| 24 | 12 | unit | Computer Printer, All-in-One/Multifunction Colored-Ink Tank |
| | | | ■ <i>Ultra-low-cost printing: Print up to 4,500 pages in black and 7,500 in colour</i> |
| | | | ■ <i>Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles</i> |
| | | | ■ <i>Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices</i> |
| | | | ■ <i>3-in-1: Print, copy & scan and borderless photo printing</i> |
| | | | ■ <i>Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color</i> |
| | | | ■ <i>Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology</i> |
| | | | ■ <i>Ink Technology: Dye Ink</i> |
| | | | ■ <i>Printing Resolution: 5,760 x 1,440 DPI</i> |
| 25 | 3 | unit | CPU (Central Processing Unit) |

| | | | |
|----|---|------|--|
| | | | <ul style="list-style-type: none"> ☑AMD A10-8770 Processor |
| | | | <ul style="list-style-type: none"> ☑Motherboard compatible with the processor |
| | | | <ul style="list-style-type: none"> ☑Kingston 4GB DDR4-2666 Memory |
| | | | <ul style="list-style-type: none"> ☑CPU Casing w/ PSU |
| | | | <ul style="list-style-type: none"> ☑256GB SSD |
| 26 | 4 | unit | DDR3 4GB SO - DIMM 2666 Mhz |
| 27 | 6 | set | DESKTOP (BRANDED) |
| | | | Motherboard, Processor Intel core i7 12gen. |
| | | | RAM at least 16gb |
| | | | Hard drive SSD M2 at least 500gb |
| | | | Led Monitor 21 |
| | | | usb keyboard & mouse |
| | | | AVR or UPS. |
| | | | With Licensed WIndows 11 and MS Office 2016. |
| 28 | 2 | set | Desktop Computer (i7), 11th Gen, 8GB RAM |
| | | | <ul style="list-style-type: none"> ☑Processor: Intel® Core™ i7-11700 or higher |
| | | | <ul style="list-style-type: none"> ☑Chipset: Intel®H510 with ultradurable capacitors |
| | | | <ul style="list-style-type: none"> ☑Graphics: Intel® UHD Graphics 750 |
| | | | <ul style="list-style-type: none"> ☑Memory: at least 8 GB Dual Channel, DDR4 at 3200MHz |
| | | | <ul style="list-style-type: none"> ☑Expansion Slots: 1 x M.2, 2 x PCI-e x 1, 1 x PCI-e x 16 |
| | | | <ul style="list-style-type: none"> ☑SATA: 4 x SATA 6Gb/s *1 |
| | | | <ul style="list-style-type: none"> ☑Storage: at least 250 GB M.2 SSD |
| | | | <ul style="list-style-type: none"> ☑Operating System: Genuine Windows 10 Home |
| | | | <ul style="list-style-type: none"> ☑Power Supply: at least 500 W Peak with ATX case |
| | | | <ul style="list-style-type: none"> ☑Monitor: 24" LED IPS Full HD |
| | | | <ul style="list-style-type: none"> ☑Keyboard and Mouse |
| 29 | 4 | unit | Desktop Computer (w/o Monitor), Core i3 11th Gen or higher |
| | | | <ul style="list-style-type: none"> ☑Processor: Intel Core i3-11300 (4 cores /8 threads) or higher |
| | | | <ul style="list-style-type: none"> ☑Motherboard: Intel H510M Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1200 |
| | | | <ul style="list-style-type: none"> ☑Memory: 8GB DDR4 2933 DIMM Desktop Memory or higher |
| | | | <ul style="list-style-type: none"> ☑SSD: 240GB NVMe or higher |
| | | | <ul style="list-style-type: none"> ☑Casing with Power Supply |
| | | | <ul style="list-style-type: none"> ☑Operating System: Genuine Windows 10 Home (OEM) |
| | | | <ul style="list-style-type: none"> ☑w/ USB Keyboard and Mouse |
| 30 | 1 | unit | Desktop Computer, 12Gen Core i5, 16GB RAM, RTX 3050 no Monitor |
| | | | <ul style="list-style-type: none"> ☑Processor: Intel® i5-12400F Total Cores: 6, Threads: 12, Max Turbo Frequency: 4.40Ghz, Performance Core Base Frequency: 2.5Ghz, Cache: 18MB or higher |
| | | | <ul style="list-style-type: none"> ☑Motherboard: Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher |
| | | | <ul style="list-style-type: none"> ☑RAM: 16GB DDR4 3200 MHz CL16, Intel® XMP-ready and XMP Certified, Low-profile heat spreader design or higher |
| | | | <ul style="list-style-type: none"> ☑SSD: 512 GB M.2 2280 Form Factor PCIe Gen3x4 Interface, read up to :1700 MB, write up: 1550 MB/s or higher |
| | | | <ul style="list-style-type: none"> ☑Casing: mATX/ATX casing with transparent acrylic side panels and Cooler Fan Support: front panel 3*120mm/top 2*120mm/rear 1*120mm |
| | | | <ul style="list-style-type: none"> ☑Graphics Processor: NVIDIA® GeForce RTX™ 3050, Bus Standard: PCI Express 4.0 |
| | | | <ul style="list-style-type: none"> ☑OpenGL: OpenGL®4.6, Video Memory: 8GB GDDR6 |

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| | | | <ul style="list-style-type: none"> ■PSU:550w, True Rated Power Supply 80 plus Bronze Rated PSU for Micro ATX and ATX casing or higher |
| 31 | 1 | unit | Desktop Computer, All-in-one (AIO), Pentium Silver, 4GB RAM |
| | | | Intel Pentium Silver J5040 2.0GHz up to 3.20GHz Processor or higher |
| | | | 4GB DDR4 Memory or higher |
| | | | 1TB 2.5" SATA HDD or higher |
| | | | 21.5" FHD 1920x1080 IPS Display (non-touch) or higher |
| | | | Intel Graphics |
| | | | 802.11AC WiFi + BT 720P HD Camera |
| | | | HDMI out 1.4 Port |
| | | | Windows 10 |
| 32 | 2 | set | Desktop Computer, Assembled, 12th Gen Core i5, SDD and HDD |
| | | | <ul style="list-style-type: none"> ■Processor: Intel® Core i5 12th gen with Intel® UHD Graphics 730 or higher |
| | | | <ul style="list-style-type: none"> ■Motherboard :Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher |
| | | | <ul style="list-style-type: none"> ■RAM: 16GB DDR4 3200 Mhz or higher |
| | | | <ul style="list-style-type: none"> ■SSD: 512 GB NVMe PCIe Gen 3x4 |
| | | | <ul style="list-style-type: none"> ■HDD: 1 TB 7200 RPM |
| | | | <ul style="list-style-type: none"> ■PSU: 650w 80 plus Bronze Certified |
| | | | <ul style="list-style-type: none"> ■Casing: mATX Casing with transparent acrylic side panel |
| | | | <ul style="list-style-type: none"> ■24" IPS monitor 72% NSTC color gamut with 75Hz refresh rate |
| | | | <ul style="list-style-type: none"> ■Keyboard and Mouse Combo: Spill-resistant design with up to Up to 5 million keystrokes (excludes number lock key) keyboard and full-sized ambidextrous optical mouse |
| | | | <ul style="list-style-type: none"> ■Operating system: Genuine Windows 11 |
| 33 | 5 | set | Desktop Computer, with Monitor, Core i5 12th Gen, 8GB RAM |
| | | | <ul style="list-style-type: none"> ■Processor: 12th Generation Intel® Core™ i5-12400 Processor(2.50 GHz up tp 4.40 GHz) or higher |
| | | | <ul style="list-style-type: none"> ■Motherboard: Intel® H610 Express Chipset Micro ATX Motherboard, with 6+1+1 Hybrid Digital VRM, High quality capacitors and Anti-sulfur resistors or higher |
| | | | <ul style="list-style-type: none"> ■Operating System: Genuine Windows 11 Home 64 |
| | | | <ul style="list-style-type: none"> ■Memory: 8 GB DDR4-3200MHz (UDIMM) or higher |
| | | | <ul style="list-style-type: none"> ■Graphics: Integrated Graphics |
| | | | <ul style="list-style-type: none"> ■SSD: 256 GB SSD M.2 2280 PCIe or higher |
| | | | <ul style="list-style-type: none"> ■Casing: mATX casing |
| | | | <ul style="list-style-type: none"> ■Power supply: at least 450W, True Rated 80+ Bronze |
| | | | <ul style="list-style-type: none"> ■Monitor: 24" FHD (1920 x 1080) IPS Monitor, NTSC 72%, 5ms response time, 60Hz |
| 34 | 1 | unit | Desktop Monitor, 24" IPS, 75Hz |
| | | | Size (Inch) 23.8Size (cm) with narrow bezel |
| | | | Resolution: 1920 x 1080 |
| | | | Panel Type: IPS |
| | | | Aspect Ratio: 16:9 |
| | | | Pixel Pitch: 0.2745 x 0.2745 mm |
| | | | Brightness (Min.): 200 cd/m²Brightness (Typ.) 250 cd/m² |
| | | | Color Gamut (Typ.): NTSC 72% (CIE1931) |
| | | | Color Depth (Number of Colors): 16.7M |

| | | | |
|----|----|------|--|
| | | | Contrast Ratio (Min.): 600:1 |
| | | | Contrast Ratio (Typ.): 1000:1 |
| | | | Response Time: 5ms (GtG at Faster) |
| | | | Viewing Angle (CR≥10): 178°(R/L), 178°(U/D) |
| | | | Surface Treatment: Anti Glare |
| | | | Connectivity: DSUB, HDMI |
| | | | HDMI (Max. Resolution at Hz): 1920 x 1080 @ 75Hz |
| 35 | 2 | pc | DS3231 RTC High Precision Real-Time Clock Module |
| 36 | 1 | unit | DSLR Camera |
| | | | 24.5MP FX-Format BSI CMOS Sensor and EXPEED 6 Processor |
| | | | 51-Point Multi-CAM 3500 II AF Sensor |
| | | | UHD 4K Video Recording |
| | | | 273-Point Hybrid AF System |
| | | | Body Design |
| 37 | 1 | unit | DSLR Camera with lens and accessories |
| | | | 20.2MP APS-C 'Dual Pixel CMOS AF' sensor |
| | | | DIGIC 5+ image processor |
| | | | ISO 100-12800 standard, 25600 expanded |
| | | | 7fps continuous shooting, burst depth 65 JPEG / 16 Raw |
| | | | 'Silent' shutter mode |
| | | | 1080p30 video recording, stereo sound via external mic |
| | | | 19-point AF system, all points cross-type, sensitive to -0.5 EV |
| | | | 63-zone iFCL metering system |
| | | | 98% viewfinder coverage, 0.95x magnification, switchable gridlines and electronic level display |
| | | | Fully-articulated touchscreen, 1040k dot 3" ClearView II LCD, 3:2 aspect ratio |
| | | | Single SD/SDHC/SDXC card slot |
| | | | Built-in Wi-Fi |
| | | | Single-axis electronic level |
| | | | Built-in flash works as off-camera remote flash controller |
| | | | AF microadjustment (can be set individually for up to 40 lenses, remembered by lens serial number) |
| | | | In-camera High Dynamic Range and Multiple Exposure modes (JPEG-only) |
| | | | 'Creative Filter' image processing styles, previewed in live view |
| 38 | 5 | btl | EPSON - BK-774 Ink |
| | | | For EPSON M200 Printer: |
| | | | Color : Black |
| | | | Ink - 774 |
| 39 | 78 | btls | Epson 001 ink, Black, 127ml, Genuine |
| 40 | 37 | btls | Epson 001 ink, Cyan, Genuine |
| 41 | 36 | btls | Epson 001 ink, Magenta, Genuine |
| 42 | 34 | btls | Epson 001 ink, Yellow, Genuine |
| 43 | 52 | btls | Epson 003 Ink Bottle for Epson L3150, Black |
| 44 | 29 | btls | Epson 003 Ink Bottle for Epson L3150, CYAN |
| 45 | 29 | btls | Epson 003 Ink Bottle for Epson L3150, MAGENTA |
| 46 | 29 | btls | Epson 003 Ink Bottle for Epson L3150, YELLOW |
| 47 | 4 | sets | Epson 188 Black, Cyan, Yellow & Magenta Ink Set of 4 Colors |
| | | | DURAbrite Ultra Ink |
| | | | Max Economy for prints |
| | | | Print up to A3+ |
| | | | Mobile printing with Epson Connect |
| | | | For use on WF-7111 / WF-7611 / WF-7211 / WF-7711 |
| | | | Average page yield for black ink cartridge: 2,200 pages |

| | | | |
|----|----|-------|--|
| | | | Average page yield for colour ink cartridge: 1,100 pages |
| 48 | 6 | unit | External Hard Disk Drive (Portable, 1TB), USB 3.1 |
| | | | ■Shock-absorbing |
| | | | ■Interface: USB 3.1 (Max.5Gb/s) |
| | | | ■Capacity: 1TB |
| | | | ■Texture: Plastic/Rubber |
| | | | ■Operating Voltage: DC 5V, 900mA |
| | | | ■System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later |
| 49 | 10 | unit | External Hard Drive, 1 TB |
| | | | Capacity: 1TB |
| | | | Connection interface: USB 2.0/3.0 |
| | | | Storage Media: 2.5" SATA HDD |
| | | | Op. Voltage: USB DC 5V |
| | | | Size :129.5mm x 82.4mm x 20.4mm |
| | | | Weight: 216g |
| 50 | 5 | pc | Flash Drive, 128GB, USB 3.0 |
| | | | ■Capacity:128GB |
| | | | ■Interface: USB 3.0 |
| | | | ■Speed: 100MB/s read, 10MB/s write |
| 51 | 12 | pcs | Flash Drive, at least 32GB USB 3.0 |
| 52 | 4 | pcs | Hard Disk ST1000DM010 1TB 64MB Cache SATA 6.0Gb/s 3.5 |
| | | | ST1000DM010 1TB 64MB Cache SATA 6.0Gb/s 3.5 |
| 53 | 2 | piece | HDMI to HDMI cable |
| | | | ■chord 1.8 meter long; |
| 54 | 6 | unit | Headphone, Professional, Studio Grade, |
| | | | ■Type: Closed-back dynamic |
| | | | ■Driver Diameter: 40 mm |
| | | | ■Frequency Response: 15 - 24,000 Hz |
| | | | ■Maximum Input Power: 1,600 mW at 1 kHz |
| | | | ■Sensitivity: 98 dB |
| | | | ■Impedance: 35 ohms |
| | | | ■Cable Includes two interchangeable cables: detachable 1.2 m - 3.0 m (3.9' - 9.8') coiled cable and detachable 3.0 m (9.8') straight cable |
| | | | ■Cable - Detachable: Yes |
| | | | ■Magnet: Neodymium |
| | | | ■Voice Coil: CCAW (Copper-clad aluminum wire) |
| | | | ■Folding/collapsible: Yes |
| | | | ■Accessories Included Protective carrying pouch, 6.3 mm (1/4") screw-on adapter |
| 55 | 1 | pc | Headset (Wired), Generic Over the Ear with mic |
| | | | ■Line is equipped with a rotary volume controller, one key Mic mute, |
| | | | ■Frequency Range:20-20K(Hz) |
| | | | ■Sensitivity:-52(dB) |
| | | | ■Impedance:32(Ohm) |
| | | | ■Speaker Diameter:40(mm) |
| | | | ■Distortion Rate:0.8% |
| | | | ■Plug Diameter:3.5mm |
| 56 | 3 | unit | Headset with Noise Cancelling Mic |
| | | | ■Input Impedance: at least 32 Ohms |
| | | | ■Sensitivity (headphone):at least 94 dBV/Pa +/- 3 dB |
| | | | ■Sensitivity (microphone): -17 dBV/Pa +/- 4 dB |
| | | | ■Frequency response (Headset): 20 Hz - 20 KHz |
| | | | ■Frequency response (Microphone): 100 Hz - 10 KHz |

| | | | |
|----|-----|------|---|
| | | | ☑Cable Length: at least 7 ft |
| | | | ☑Connections: USB-A compatible (1.1, 2.0, 3.0), USB port 1 Type A port or adapter |
| 57 | 4 | sets | Headset, Over Ear, wired |
| | | | ☑Wearing Type: Over-ear |
| | | | ☑Microphone: Yes |
| | | | ☑Volume Control: Yes |
| | | | ☑One Key Mute Button: Yes |
| | | | ☑Microphone: Omnidirectional |
| | | | ☑Plug Type: 3.5mm |
| | | | ☑Speaker Diameter: 50mm |
| | | | ☑Receive Sensitivity: 101dB |
| | | | ☑Impedance: 32Ω |
| | | | ☑Frequency Response: 20-20kHz |
| 58 | 6 | pc | HP Ink Cartridge 678 Black |
| 59 | 6 | pc | HP Ink Cartridge 678 Tricolor |
| 60 | 2 | sets | Ink Cartridge Pigment Ink For Epson WorkForce Pro WF-C878R, T05A1 T05A2 T05A3 T05A4, Printer Ink Bag |
| | | | <i>Ink Cartridge Pigment Ink For Epson WorkForce Pro WF-C878R</i> |
| | | | <i>T05A1 (BLACK)</i> |
| | | | <i>T05A2 (CYAN)</i> |
| | | | <i>T05A3 (MAGENTA)</i> |
| | | | <i>T05A4 (YELLOW)</i> |
| 61 | 6 | pcs | Ink Cartridge, HP704, black |
| 62 | 6 | pcs | Ink Cartridge, HP704, tri color |
| 63 | 6 | btls | Ink HP GT51 Black (K), Genuine |
| 64 | 4 | btls | Ink HP GT52 Cyan (C), Genuine |
| 65 | 4 | btls | Ink HP GT52 Magenta (M), Genuine |
| 66 | 4 | btls | Ink HP GT52 Yellow (Y), Genuine |
| 67 | 25 | btls | Ink, Brother BT5000C Cyan |
| 68 | 25 | btls | Ink, Brother BT5000M Magenta |
| 69 | 25 | btls | Ink, Brother BT5000Y Yellow |
| 70 | 25 | btls | Ink, Brother BTD60BK, Black |
| 71 | 5 | pcs | Ink, Epson 001, Genuine Magenta 70ml, SKU: C13T03Y300 |
| 72 | 5 | pcs | Ink, Epson 001, Genuine Yellow 70ml, SKU: C13T03Y400 |
| 73 | 5 | pcs | Ink, Epson 001, SKU: Genuine Cyan 70ml, SKU: C13T03Y200 |
| 74 | 525 | btl | Ink, Epson 003,Genuine Black 65mL |
| 75 | 238 | btl | Ink, EPSON 003,Genuine Cyan 65mL |
| 76 | 246 | btl | Ink, EPSON 003,Genuine Magenta 65mL |
| 77 | 236 | btl | Ink, EPSON 003,Genuine Yellow 65mL |
| 78 | 5 | tube | Ink, EPSON T9481 XL for WF-C878R Printer, Black |
| 79 | 5 | tube | Ink, EPSON T9481 XL for WF-C878R Printer, Cyan |
| 80 | 5 | tube | Ink, EPSON T9481 XL for WF-C878R Printer, Magenta |
| 81 | 10 | pcs | Ink, Epson, 001, Genuine Black 127ml, C13T03Y100 |
| 82 | 50 | pcs | Ink, Epson, genuine (C) T664, 70 ml |
| 83 | 63 | pcs | Ink, Epson, genuine (M) T664, 70 ml |
| 84 | 108 | pcs | Ink, Epson, genuine, (BK) T664, 70 ml |
| 85 | 60 | pcs | Ink, Epson, genuine, (Y) T664, 70 ml |
| 86 | 5 | tube | Ink. EPSON T9481 XL for WF-C878R Printer, Yellow |
| 87 | 3 | set | Keyboard And Mouse Combo Bundle, USB powered |
| | | | ☑Keyboard |
| | | | ◀Keycaps: A-Shape, Round Edge |
| | | | ◀Hotkeys: No |
| | | | ◀Character: Laser Engraving |
| | | | ◀Adjustable Keyboard Legs: Yes |

| | | | |
|-----------|----------|-------------|--|
| | | | ◀Rating: 5 V / 30 mA |
| | | | ☑Mouse |
| | | | ◀Report Rate: 125 Hz |
| | | | ◀Sensor: Optical |
| | | | ◀Resolution: 1000 DPI |
| | | | ◀Rating: 5 V / 100 mA |
| | | | ◀Buttons No.: 3 |
| | | | ◀Ergonomic Design: Symmetric |
| | | | ◀Size: Middle / Big Hands |
| 88 | 1 | unit | Labelling Printer |
| | | | ☑Technology: Thermal Transfer |
| | | | ☑Tape Width Capacity: at least 6, 9, 12, 18, 24 mm |
| | | | ☑Tape is humidity resistant, scratch resistant, temperature resistant, and waterproof |
| | | | ☑Connectivity: USB, Bluetooth |
| | | | ☑QR Code Generator: Capable |
| | | | ☑Barcodes: 14 types (Code 128, Code 39, Data Matrix, EAN-128, EAN-13, EAN-8, GS1-128, GS1-DataBar, ITF, MaxiCode, PDF417, QR Code, UPC-A, UPC-E) |
| | | | ☑Cutter: Automatic Full Cut Function |
| | | | ☑Power: AC or Battery |
| | | | ☑Compatibility: Windows Vista, 7, 8, 8.1, 10, Mac OSX 10.6 or later |
| | | | ☑Inclusions: 5 different sizes of compatible tapes |
| 89 | 1 | unit | Laptop 14" (i3) |
| | | | ☑Processor : Intel Core i3-1005G1 Processor 4M Cache, up to 3.40 GHz or higher |
| | | | ☑Operating System : Windows 10 Home |
| | | | ☑Memory : 4GB Onboard memory, 1 x SO-DIMM socket , total up to 8 GB SDRAM or higher |
| | | | ☑Display : 14.0" (16:9) LED-backlit HD (1366x768) 60Hz Anti-Glare Panel with 45% NTSC |
| | | | ☑Graphics : Integrated Intel UHD Graphics |
| | | | ☑Storage : 512GB PCIe Gen3 x2 SSD or higher |
| | | | ☑Networking : Integrated Wi-Fi 5 (802.11 ac) Bluetooth 5.0 |
| | | | ☑Battery : 2 -Cell 32 Wh lithium-polymer battery |
| 90 | 2 | unit | Laptop 14" (i5) |
| | | | ☑Processor: Intel Core i5-1035G1 Processor 1.0 GHz 6M Cache, up to 3.60 GHz or higher |
| | | | ☑Operating system: Windows 10 Home |
| | | | ☑Memory: 4GB memory, 1 x SO-DIMM socket (for expansion) or higher |
| | | | ☑Display: 14.0" (16:9) LED-backlit FHD (1920x1080) 60Hz Anti-Glare Panel with 45% NTSC |
| | | | ☑Video Processor: NVIDIA GeForce MX330 , with 2GB GDDR5 VRAM or higher |
| | | | ☑Storage: 512GB PCIe Gen3 x2 SSD |
| 91 | 1 | pc | Laptop Cooling Pad 14" |
| | | | 1.one 14cm big LED light fan |
| | | | 2.metal material mesh |
| | | | 3. Powered by USB cable from laptop |
| | | | 4.Support size:12"-14"laptop |
| | | | 5.Color:black, |
| 92 | 6 | unit | Laptop core i7 |
| | | | Processor : 13th Generation Intel® Core™ i7-1360P Processor |

| | | | |
|----|---|------|---|
| | | | (E-cores up to 3.70 GHz P-cores up to 5.00 GHz) |
| | | | Operating System : Licensed Windows 11 Home Single Language 64 |
| | | | Memory : 16 GB LPDDR5-4800MHz (Soldered) |
| | | | Hard Drive : 1 TB SSD M.2 2280 PCIe Gen4 TLC |
| | | | Licensed MS Office |
| | | | Graphics : Integrated Intel® Iris® Xe Graphics eligible |
| | | | Battery : 4 Cell Li-Polymer |
| | | | Bluetooth : Bluetooth® 5.1 or above |
| | | | Pointing Device : ClickPad |
| 93 | 3 | pc | Laptop Stand Lifting Riser Holder Aluminum Height/Angle |
| 94 | 1 | unit | Laptop, 14" (i7) |
| | | | ☑Processor: Intel Core i7 10th generation or higher |
| | | | ☑Graphics: NVIDIA GeForce MX250 at least 2GB GDDR5 |
| | | | ☑Memory: at least 8GB DDR4-2666 |
| | | | ☑Storage: at least 256GB SSD M.2 + 1TB HDD |
| | | | ☑Display: 14" FHD (1920x1080) IPS 250nits Anti-glare |
| | | | ☑Touchscreen: None |
| | | | ☑Optical: None |
| | | | ☑Media Reader: 4-in-1 Card Reader |
| | | | ☑Ethernet: None |
| | | | ☑WLAN + Bluetooth |
| | | | ☑Camera: at least 720p |
| | | | ☑Microphone: at least 2x, Array |
| | | | ☑Operating System: licensed Windows 10 Home or Pro |
| | | | ☑Bundled Software: Microsoft Office Perpetual License |
| | | | ☑Repair and replacement should be at most 3 month from returning the unit |
| | | | ☑at least 3 years Warranty |
| | | | ☑FREE: Backpack |
| 95 | 2 | unit | Laptop, 15.6", Full HD, Intel Core i7 |
| | | | Display Size: 15.6 Full HD |
| | | | Resolution: 1920 x 1080 |
| | | | Processor: Intel Core i7-1255U |
| | | | Memo: 16GB RAM |
| | | | Solid State Drive: 1TB SSD |
| | | | Graphics Card: Nvidia MX550 2GB |
| | | | Operating System: Windows 11 |
| | | | Microsoft Office Home and Students 2021 |
| | | | Net weight: 1.75kg |
| | | | Gross Weight: 1.85kg |
| 96 | 1 | unit | Laptop, Intel Core i5 10th Gen , 15.6" FHD |
| | | | ☑Processor: Intel Core i5 10th gen processor or higher |
| | | | ☑Memory: 16GB DDR4 2400MHz or higher |
| | | | ☑Display: 15.6-inch full HD IPS 1920x1080 screen |
| | | | ☑Graphics card: NVIDIA Geforce MX350 2GB (GDDR5 video memory) or higher |
| | | | ☑SSD: 512GB NVMe M2 |
| | | | ☑Network: wireless network card dual-band dual-antenna 802.11.ax (support 5G network); Bluetooth Bluetooth5.0 |
| | | | ☑Operating System: Genuine Windows 10 |
| 97 | 2 | unit | Laptop, Intel Core i5 11th Gen, 15.6" FHD |
| | | | ☑Processor: 11th Gen Intel® Core™ i5 or higher |
| | | | ☑Graphics: Intel® Iris® Xe Graphics |
| | | | ☑Display: 15.6" 1920x1080 resolution FHD IPS |
| | | | ☑Memory: 16GB DDR4 3200MHz or higher |
| | | | ☑Storage: 512GB M.2 SSD or higher |

| | | | |
|-----|---|------|---|
| | | | ☑Keyboard and Touchpad: Not Backlight |
| | | | ☑Audio: Realtek Audio |
| | | | ☑Camera: 720P HD |
| | | | ☑Wireless Connectivity: Wi-Fi 5 and Bluetooth 4.0-4.2 |
| | | | ☑Operating System: Genuine Windows 10 |
| 98 | 5 | unit | LCD Projector (XGA), 3LCD Technology |
| | | | ☑Projection System Technology: RGB liquid crystal shutter projection system (3LCD), 3-chip technology |
| | | | ☑White Light Output (Normal/Eco):3,600 lm |
| | | | ☑Colour Light Output:3,600 lm |
| | | | ☑Resolution XGA, at least 1024 x 768, |
| | | | ☑Analog Input:D-Sub 15pin: 1 |
| | | | ☑Digital Input:HDMI: 1 |
| | | | ☑LCD:Native Resolution: XGA (1024 x 768) |
| | | | ☑Size: 0.55" (C2fine) |
| | | | ☑Lightsource:Type: 210W UHE |
| | | | ☑Life (Normal / Eco): 6,000 / 12,000 hours |
| | | | ☑Aspect Ratio:4:3 |
| | | | ☑USB Interface:USB Type B: 1 (For Firmware Update, Copy OSD Settings) |
| | | | ☑Analog Input:D-Sub 15pin: 1 |
| | | | ☑Digital Input:HDMI: 1 |
| 99 | 1 | unit | LCD Projector, XGA (1024x768) |
| | | | ☑Projection Method: Front/rear/ceiling mount |
| | | | ☑Pixel Number: at least 786,432 dots (1024 x 768) x 3 |
| | | | ☑Color Brightness: 3.600 lumen- 2.235 lumen (economy) In accordance with IDMS15.4 |
| | | | ☑Aspect ratio: 4:3 |
| | | | ☑Lamp Life: ECO Mode up to 5000 hrs |
| | | | ☑Normal Mode up to 4000 hrs |
| | | | ☑Projection Distance Wide/Tele: 1,8 m - 2,17 m (60 inch screen) |
| | | | ☑Keystone Correction: Manual |
| | | | ☑USB Plug 'n Play: Compatible w/ PC and MAC computers |
| | | | ☑Contrast Ratio: 15.000 : 1 |
| | | | ☑Color Reproduction: 16.77 million color |
| 100 | 1 | unit | LED Voltage Tester |
| | | | LED Voltage Tester |
| | | | 600V AC/DC, Continuity Check, Battery Powered |
| | | | CAT III 100V, CAT IV 600 |
| 101 | 1 | pc | Microsoft Office Home & Student 2019, 1 Perpetual License, Medialess |
| | | | ☑One-time purchase for 1 PC or Mac |
| | | | ☑Classic 2019 versions of Word, Excel, and PowerPoint |
| | | | ☑Microsoft support included for 60 days at no extra cost |
| | | | ☑Licensed for home use |
| 102 | 2 | unit | Mirrorless Camera, 24MP APS-C |
| | | | ☑24.1MP APS-C CMOS Sensor |
| | | | ☑Digital Imaging Integrated Circuit (DIGIC) 8 Image Processor |
| | | | ☑UHD 4K and HD 720p120 Video Recording |
| | | | ☑Dual Pixel CMOS AF with Eye Detect AF |
| | | | ☑2.36m-Dot OLED Electronic Viewfinder |
| | | | ☑3.0" 1.04m-Dot Vari-Angle Touchscreen |
| | | | ☑Wi-Fi and Bluetooth; Webcam Capability |
| | | | ☑Extended ISO 51200, 10 fps Shooting |
| | | | ☑Combination 5-Axis Image Stabilization |
| | | | ☑Includes EF-M 15-45mm f/3.5-6.3 IS STM Lens |

| | | | |
|-----|---|-----|---|
| 103 | 5 | pc | Mouse, Wired, Optical, USB |
| | | | ☑USB Port Connectivity |
| | | | ☑Sensor: Optical |
| | | | ☑DPI: 1600 |
| | | | ☑Work method: Wired |
| | | | ☑Buttons: Left button, middle button, right button |
| | | | ☑Scroll wheel direction: Two way |
| | | | ☑Design highlights: Easy installation. 1600 DPI high-definition tracking engine. Anti-slip scroll wheel. Full-size, ambidextrous design |
| 104 | 3 | lot | PC monitor and CPU merged with OS, office, UPS, keyboard & mouse, 3 in 1 printer |
| | | | 1. Computer Monitor |
| | | | Item Specification |
| | | | Size: 21.5" |
| | | | Panel Type: VA |
| | | | Resolution: 1920x1080 (FHD) |
| | | | Refresh Rate: 75Hz |
| | | | Response Time: 5MS |
| | | | Interface: VGA, HDMI |
| | | | With a slim and 3-sided frameless design |
| | | | Flicker Free and Low Blue Mode eye protection technology |
| | | | VESA mount compatibility |
| | | | 2. UPS |
| | | | Item Specification |
| | | | ☑Output Power Capacity: 550 Watts/1100 VA |
| | | | ☑Max Configurable Power: 550 Watts/1100 VA 2 years' warranty |
| | | | ☑Nominal Output Voltage: 230V |
| | | | ☑Output Connections:(2) IEC 320 C13 (Battery Backup) (4) Universal Receptacle (Battery Backup) |
| | | | ☑Nominal Input Voltage: 230V |
| | | | ☑At most 4 hours charging time |
| | | | 3. Keyboard And Mouse Combo Bundle, USB |
| | | | Item Specification |
| | | | ☑Keyboard |
| | | | ◀Keycaps: A-Shape, Round Edge |
| | | | ◀Hotkeys: No |
| | | | ◀Character: Laser Engraving |
| | | | ◀Adjustable Keyboard Legs: Yes |
| | | | ◀Rating: 5 V / 30 mA |
| | | | ☑Mouse |
| | | | ◀Report Rate: 125 Hz |
| | | | ◀Sensor: Optical |
| | | | ◀Resolution: 1000 DPI |
| | | | ◀Rating: 5 V / 100 mA |
| | | | ◀Buttons No.: 3 |
| | | | ◀Ergonomic Design: Symmetric |
| | | | ◀Size: Middle / Big Hands |
| | | | 4. CPU merge with OS and Offices |
| | | | Item Specification |
| | | | ☑AMD A10-8770 Processor |
| | | | ☑Motherboard compatible with the processor |
| | | | ☑Kingston 4GB DDR4-2666 Memory |
| | | | ☑CPU Casing w/ PSU |
| | | | ☑256GB SSD |
| | | | 5. Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy) |

| | | | |
|-----|---|------|---|
| | | | <i>Item Specification</i> |
| | | | ■Tank Ink System |
| | | | ■Printer Type: Print, Scan and Copy |
| | | | ■Scanner Type: Flatbed colour image scanner |
| | | | ■Sensor Type: CIS |
| | | | ■Optical Resolution: 600 x 1200 dpi |
| | | | ■Copy Speed: Maximum Copies from Standalone: 20 copies |
| | | | ■Maximum Copy Size: A4, Letter |
| | | | ■ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.0 ipm / 1.7 ipm |
| | | | ■Max Copy Resolution: 300 x 300 dpi |
| | | | ■Paper Handling: Up to 20 Sheets-Premium Glossy Photo Paper 10 Sheets-Envelope, 30 Sheets-Postcard |
| | | | ■Output Capacity: Up to 30 sheets |
| | | | ■A4 plain paper: 20 sheets, Premium Glossy Photo Paper |
| | | | ■Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24") |
| | | | ■Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow) |
| | | | ■Print Direction: Bi-directional printing |
| | | | ■Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology) |
| | | | ■Minimum Ink Droplet Size: 3 pl |
| 105 | 2 | pc | Power Supply, 700W Generic |
| | | | ■Max Output: 700watts |
| | | | ■Input Voltage: 180-240v |
| | | | ■Current: 5A |
| | | | ■ATX PSU |
| 106 | 2 | unit | Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy) |
| | | | ■Tank Ink System |
| | | | ■Printer Type: Print, Scan and Copy |
| | | | ■Scanner Type: Flatbed colour image scanner |
| | | | ■Sensor Type: CIS |
| | | | ■Optical Resolution: 600 x 1200 dpi |
| | | | ■Copy Speed: Maximum Copies from Standalone: 20 copies |
| | | | ■Maximum Copy Size: A4, Letter |
| | | | ■ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.0 ipm / 1.7 ipm |
| | | | ■Max Copy Resolution: 300 x 300 dpi |
| | | | ■Paper Handling: Up to 20 Sheets-Premium Glossy Photo Paper 10 Sheets-Envelope, 30 Sheets-Postcard |
| | | | ■Output Capacity: Up to 30 sheets |
| | | | ■A4 plain paper: 20 sheets, Premium Glossy Photo Paper |
| | | | ■Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24") |
| | | | ■Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow) |
| | | | ■Print Direction: Bi-directional printing |
| | | | ■Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology) |
| | | | ■Minimum Ink Droplet Size: 3 pl |
| 107 | 3 | unit | Printer, Wi-Fi Duplex All-in-One Ink |
| | | | Printer Type:Print, Scan, Copy |
| | | | Print Method:On-demand inkjet (piezoelectric) |
| | | | Printer Language:ESC/P-R, ESC/P Raster |
| | | | Nozzle Configuration:180 x 1 nozzle Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow) |

| | | | |
|------------|----------|-------------|--|
| | | | Maximum Resolution:5760 x 1440 dpi |
| | | | Automatic 2-sided Printing:Yes (Up to A4) |
| | | | Scanner Type:Flatbed colour image scanner |
| | | | Sensor Type:CIS |
| | | | Optical Resolution:1200 x 2400 dpi |
| | | | USB:USB 2.0 |
| | | | Network:Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct |
| | | | Network Protocol:TCP/IPv4, TCP/IPv6 |
| | | | LCD Screen:1.44" Colour LCD Screen |
| 108 | 2 | unit | Rechargeable Wireless Keyboard and Mouse Set |
| | | | ■Rechargeable Office Wireless Keyboard and Mouse Set |
| | | | ■Size: 284*121*16.mm |
| | | | ■Weight: 280g |
| | | | ■Connection method: USB receiver/Bluetooth |
| 109 | 2 | unit | Scanner |
| | | | * Automate workflow with fast, two-sided scanning |
| | | | * With 50-page ADF, 1,500-page daily duty cycle, and one-button shortcuts |
| | | | * Can produce up to 40 images per minute ¹ with two-sided scanning and a 50-page automatic document feeder. |
| | | | * Can scan pages up to 8.5 x 122 inches (21.6 cm x 309.9 cm) through the ADF, |
| | | | * And can use the flatbed for bulky media. |
| 110 | 3 | pc | SSD |
| | | | SSD 256GB for Desktop Computer; |
| 111 | 1 | pc | Network-attached Storage (4 - Bay) |
| | | | CPU Model: Intel Celeron J4125 |
| | | | CPU Frequency: 4-core 2.0 (base) / 2.7 (burst) GHz |
| | | | Hardware Encryption Engine (AES-NI) |
| | | | System Memory: 2 GB DDR4 non-ECC |
| | | | Total Memory Slots 1 |
| | | | Maximum Memory Capacity 6 GB (2 GB + 4 GB) |
| | | | 4 Drive Bays |
| | | | 2 M.2 Drive Slots (NVMe) |
| | | | Compatible to Most Drive types (3.5" SATA HDD, 2.5" SATA SSD, M.2 2280 NVMe SSD) |
| | | | Internal Drives : Btrfs EXT4 |
| | | | External Drives : Btrfs EXT4 EXT3 FAT NTFS HFS+ exFAT |
| | | | Hot Swappable Drive |
| | | | 2 RJ-45 1GbE LAN Port |
| | | | USB 3.2 Gen 1 Ports |
| | | | 3-year hardware warranty |
| 112 | 2 | set | Temperature Controller, Digital PID |
| | | | Measuring accuracy: +/-0.5%FS |
| | | | Cold-end compensation tolerance: +/-2 Celsius (can be modified by software in 0~50 Celsius.) |
| | | | Resolution: 14 bit |
| | | | Sampling cycle: 0.5 Sec |
| | | | Power : AC 100-240V 50/60HZ |
| | | | Process value (PV), Setting value (SV) |
| | | | PIN control (including ON/OFF, step-type PID and continuous PID) |
| | | | Self-tuning control |
| | | | Relay output: contact capacity 250V AC 3A (resistive load) |
| | | | Proportional band (P): 0~full range (ON/OFF control when set to 0) |

| | | | |
|-----|---|--------|---|
| | | | Detective temperature range: 0 to 400 Celsius |
| | | | Insulation resistance: more than the 50M ohm(500V DC) |
| | | | Insulation resistance : 1500V AC/min |
| | | | Insulation resistance : Power Consumption Less than 10 VA |
| | | | Service environment: 0~50 Celsius |
| | | | environment with no corrosive gas 30~85% RH |
| | | | Aluminum Alloy Heat Sink |
| 113 | 2 | btls | Toner MP 2014H NRG Brand |
| | | | MP2014H Series/MP2700/MP2701; |
| 114 | 2 | pieces | Toner, NPG 67, Black for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine |
| 115 | 2 | pieces | Toner, NPG 67, Cyan for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine |
| 116 | 2 | pieces | Toner, NPG 67, Magenta for Canon C3320 Image Runner advance (photocopier, printer/scanner)machine |
| 117 | 1 | pcs | Toner, NPG 67, Yellow for Canon C3320 Image Runner Advance (photocopier, printer/scanner) machine |
| 118 | 2 | pc | Transverse Armoured Stripping Knife 8-28MM Optic Stripper FTTH Armored Fiber Cable Slitter |
| | | | Measuring accuracy: +/-0.5%FS |
| | | | Cold-end compensation tolerance: +/-2 Celsius (can be modified by software in 0~50 Celsius.) |
| | | | Resolution: 14 bit |
| | | | Sampling cycle: 0.5 Sec |
| | | | Power : AC 100-240V 50/60HZ |
| | | | Process value (PV), Setting value (SV) |
| | | | PIN control (including ON/OFF, step-type PID and continuous PID) |
| | | | Self-tuning control |
| | | | Relay output: contact capacity 250V AC 3A (resistive load) |
| | | | Proportional band (P): 0~full range (ON/OFF control when set to 0) |
| | | | Detective temperature range: 0 to 400 Celsius |
| | | | Insulation resistance: more than the 50M ohm(500V DC) |
| | | | Insulation resistance : 1500V AC/min |
| | | | Insulation resistance : Power Consumption Less than 10 VA |
| | | | Service environment: 0~50 Celsius |
| | | | environment with no corrosive gas 30~85% RH |
| | | | Aluminum Alloy Heat Sink |
| 119 | 1 | unit | Tripod |
| | | | 5.5 lb Capacity Flat Base Tripod Head |
| | | | Aluminum 4-Section Tripod Legs |
| | | | Fully Convertible to a Monopod |
| | | | 21.3 to 65" Height Range |
| | | | Independent Pan and Tilt Locks |
| | | | Rubber and Spiked Feet |
| | | | Left/Right Pan Bar Rosette Mounts |
| | | | Carry Case Included |
| | | | Maximum Working Height: 65" / 165.1 cm |
| 120 | 1 | unit | Ubiquiti Unifi HD Access Point 802.11 AC Wave 2 MU-MIMO Indoor (UAP-AC-HD) |
| | | | ■Networking Interface (2) 10/100/1000 Ethernet Ports Buttons Reset Power Method 802.3at PoE+ Supported Voltage Range 44 to 57VDC |
| | | | ■Power Supply UniFi Switch (PoE) Power Save Supported Beamforming Supported Maximum Power Consumption 17W TX Power 2.4 GHz 5 GHz 6-25 dBm 6-25 dBm Antennas 2.4 |

| | | | |
|-----|----|------|---|
| | | | GHz 5 GHz (2) Dual-Port, Dual-Polarity Antennas, 3 dBi each (2) Dual-Port, Dual-Polarity Antennas, 4 dBi each Wi-Fi Standards 802.11 a/b/g/n/r/k/v/ac/ac-wave2 Wireless Security WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES) 802.11w/PMF BSSID Up to 8 |
| | | | ☑Radio Mounting Wall/Ceiling (Kits Included) |
| | | | ☑Operating Temperature -10 to 70° C (14 to 158° F) |
| | | | ☑Operating Humidity 5 to 95% Noncondensing |
| | | | ☑Certifications CE, FCC, IC Advanced Traffic Management VLAN 802.1Q Advanced QoS Per-User Rate Limiting Guest Traffic Isolation Supported WMM Voice, Video, Best Effort, and Background Concurrent Clients 1000+ Supported Data Rates (Mbps)Standard Data Rates 802.11a 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n 6.5 Mbps to 450 Mbps (MCS0 - MCS23, HT 20/40) 802.11ac 6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80) 58 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 160) 802.11b 1, 2, 5.5, 11 Mbps 802.11g 6, 9, 12, 18, 24, 36, 48, 54Mbps |
| | | | ☑Should be compatible with the existing fleet of Unifi Access Points and Controller |
| 121 | 3 | pc | Universal HDMI to VGA Adapter Cable, at least 1.8 meters |
| 122 | 2 | unit | UPS |
| | | | ☑Output Power Capacity: 550 Watts/1100 VA |
| | | | ☑Max Configurable Power: 550 Watts/1100 VA 2 years' warranty |
| | | | ☑Nominal Output Voltage: 230V |
| | | | ☑Output Connections:(2) IEC 320 C13 (Battery Backup) (4) Universal Receptacle (Battery Backup) |
| | | | ☑Nominal Input Voltage: 230V |
| | | | ☑At most 4 hours charging time |
| 123 | 4 | unit | UPS 800W (for Computer) |
| | | | ☑Charging time: At most 4 hours; |
| 124 | 10 | pcs | UPS Battery, Generic, 7.2Ah |
| | | | Voltage: 12VCapacity: 7.2AhBattery Type: Sealed Lead Acid Maintenance Free |
| 125 | 8 | unit | UPS, 1000 VA |
| | | | ☑1000VA/600W capacity |
| | | | ☑Frequency Range: 60 Hz |
| | | | ☑Freq. Range (Batt. Mode): 60 Hz ± 1 Hz |
| | | | ☑Transfer Time: Typical 4-8 ms |
| | | | ☑Waveform (Batt. Mode): Simulated Sine Wave |
| | | | ☑Back-up Runtime: 10-15 mins |
| | | | ☑Voltage: 220 VAC |
| | | | ☑Voltage Range: 162-270 VAC |
| 126 | 4 | pc | UPS, 650VA, Universal Sockets |
| | | | Output Power Capacity: 325 Watts/650VA |
| | | | Output Frequency: 50/60 Hz +/-1 Hz |
| | | | Output Connections: (2) Universal Receptacle |
| | | | Nominal Input Voltage: 230V |
| | | | Input Connections: NEMA 5-15P |
| | | | Maximum Input Current: 5A |
| | | | Battery Type: Maintenance-free sealed Lead-Acid battery with suspended electrolyte leakproof |
| | | | Recharging Time: 4 Hours |
| 127 | 4 | pc | UPS, at least 500 w |
| | | | Recharging Time: at most 4 Hours; |
| 128 | 2 | unit | VOIP Phone |
| | | | ☑1-Line PoE+ SIP VOIP Phone SPA MAC address (IEEE |

| | | | |
|------------|----------|-------------|---|
| | | | 802.3) with lifetime warranty |
| | | | ■IPv4 (RFC 791)Integrated web server provides web-based administration and configuration |
| | | | ■Telephone keypad configuration via display menu/navigation |
| | | | ■Automated provisioning and upgrade via HTTPS, HTTP, TFTP |
| | | | ■Asynchronous notification of upgrade availability via NOTIFY |
| | | | ■Nonintrusive in-service upgrades |
| | | | ■Report generation and event logging |
| | | | ■Statistics transmitted in BYE message |
| | | | ■Syslog and debug server records: configurable per line |
| | | | ■Address Resolution Protocol (ARP) |
| | | | ■DNS: A record (RFC 1706), SRV record (RFC 2782) |
| | | | ■Dynamic Host Configuration Protocol (DHCP) client (RFC 2131) |
| | | | ■Internet Control Message Protocol (ICMP) (RFC 792) |
| | | | ■TCP (RFC 793) |
| | | | ■User Datagram Protocol (UDP) (RFC 768) |
| | | | ■Real-Time Transport Protocol (RTP) (RFC 1889, 1890) |
| | | | ■Real-Time Control Protocol (RTCP) (RFC 1889) |
| | | | ■Differentiated Services (DiffServ) (RFC 2475) |
| | | | ■Type of service (ToS) (RFC 791, 1349) |
| | | | ■VLAN tagging 802.1p/Q: Layer 2 quality of service (QoS) |
| | | | ■Simple Network Time Protocol (SNTP) (RFC 2030)SIP version 2 (RFC 3261, 3262, 3263, 3264) |
| | | | ■SPCP with the Cisco Unified Communications 500 Series |
| | | | ■SIP proxy redundancy: dynamic via DNS SRV, A records |
| | | | ■Reregistration with primary SIP proxy server |
| | | | ■SIP support in NAT networks (including STUN) |
| | | | ■SIPFrag (RFC 3420) |
| | | | ■Secure (encrypted) calling via SRTP |
| | | | ■Codec name assignment |
| | | | ■Voice algorithms: |
| | | | ■G.711 (A-law and μ -law) |
| | | | ■G.726 (16/24/32/40 kbps) |
| | | | ■G.729 A |
| | | | ■G.722 |
| | | | ■Dynamic payload support |
| | | | ■Adjustable audio frames per packet |
| | | | ■Dual-tone multifrequency (DTMF), in-band and out-of-band (RFC 2833) (SIP INFO) |
| | | | ■Flexible dial plan support with interdigit timers |
| | | | ■IP address/URI dialing support |
| | | | ■Call progress tone generation |
| | | | ■Jitter buffer: adaptive |
| | | | ■Frame loss concealment |
| | | | ■Comfort Noise Generation (CNG) |
| | | | ■Voice activity detection (VAD) with silence suppression |
| | | | ■Attenuation/gain adjustments |
| | | | ■VMWI - Voicemail Waiting Indicator, via NOTIFY, SUBSCRIBE |
| | | | ■Caller ID support (name and number) |
| | | | ■Third-party call control (RFC 3725) |
| | | | ■Should be compatible with existing fleet of VSU IP Phones |
| 129 | 2 | unit | VoIP, Telephone |
| | | | Features |
| | | | Display: White backlit, greyscale, 3.5-inch (396x162 pixels) |

| | | | |
|-----|---|------|---|
| | | | display |
| | | | Call Appearance:16 voice lines |
| | | | Fixed Feature Buttons: Messaging, Service, Directory, Hold/Resume, Transfer, Conference, Volume Control, Speakerphone, Headset, and Mute |
| | | | Navigation Keys: Two-way navigation and select keys |
| | | | Programmable Line/Feature Keys: 16 programmable keys that support either lines (such as directory numbers), or call features (such as speed dialing). |
| | | | Programmable Softkeys: 4 buttons |
| | | | Button Module Expansion: No |
| | | | Speakerphone: Includes high-quality, 2-way speakerphone |
| | | | Audio: Wideband audio enhances clarity with the handset, speaker, or headset |
| | | | Codecs: G.711 (A-law and m-law), G.722.2, G.722, G.729ab, iLBC, iSAC, OPUS, Narrowband Opus DTMF: In-band, out-of-band (RFC 2833), and SIP INFO Early Media and Preconditions MOS Score Reporting (Telchemy) |
| | | | Wall-Mountable: Yes, requires optional Cisco 7800 Series Wall Mount Kit |
| | | | Ethernet Connectivity: Dual Ethernet (10/100) line interface (PC Pass Through & Network Connection) |
| | | | Headset Port: Includes RJ9 headset port with EHS support |
| | | | Message Waiting Indicator: Yes |
| | | | Adjustable Tilt Display: No |
| | | | Network Security: Certificates, Image authentication, Device authentication, File authentication, Signaling authentication, Media encryption using Secure Real-Time Transfer Protocol (SRTP) using AES-128, Signaling encryption using Transport Layer Security (TLS) Protocol using AES-128 or AES-256, Encrypted configuration files, 802.1X authentication, Cryptography |
| | | | POWER REQUIREMENTS |
| | | | Supports 802.3af Power-over-ethernet (PoE) |
| | | | Can also be powered via optional power adapter if PoE is not available on your network (power supply sold separately – see accessories above) |
| | | | System Compatibility |
| | | | MUST have with Multiplatform Phone Firmware |
| | | | Compatible with existing VSU fleet |
| 130 | 2 | pcs | Web Camera for Laptop and Desktop |
| | | | ■About 360 degrees, rotate up and down 45 degrees, you can adjust the angle. |
| | | | ■With clips for laptops and desktops. |
| | | | ■Sensor pixels: 2 million |
| | | | ■Interface: USB 2.0 |
| | | | ■Frame rate: 30 FPS |
| | | | ■Image sensor: CMOS |
| | | | ■Brightness/color: automatically adjusts |
| | | | ■Additional features: built-in microphone |
| 131 | 3 | unit | Wifi Access Point (Existing fleet of VSU Access Points) |
| | | | UAP-nanoHD |
| | | | Dimensions: 160 x 160 x 32.65 mm (6.30 x 6.30 x 1.29") |
| | | | Weight: 300 g (10.6 oz) |
| | | | With Mounting Kits: 315 g (11.1 oz) |
| | | | Networking Interface: (1) 10/100/1000 Ethernet Port |
| | | | Buttons: Reset |
| | | | Power Method: 802.3af PoE |

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| | | | Power Supply: UniFi Switch (PoE) |
| | | | Power Save: Supported |
| | | | Beamforming: Supported |
| | | | Maximum Power Consumption: 10.5W |
| | | | Supported Voltage Range: 44 to 57VDC |
| | | | TX Power |
| | | | 2.4 GHz: 23 dBm |
| | | | 5 GHz: 26 dBm |
| | | | MIMO |
| | | | 2.4 GHz: 2x2 |
| | | | 5 GHz: 4x4 |
| | | | Radio Rates |
| | | | 2.4 GHz: 300 Mbps |
| | | | 5 GHz: 1733 Mbps |
| | | | Antennas |
| | | | 2.4 GHz: (2) Single-Port, Single-Polarity Antennas, 2.8 dBi each |
| | | | 5 GHz: (2) Single-Port, Dual-Polarity Antennas, 3 dBi each |
| | | | Wi-Fi Standards: 802.11 a/b/g/n/r/k/v/ac/ac-wave2 |
| | | | Wireless Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES), 802.11w/PMF |
| | | | BSSID: 8 per Radio |
| | | | Mounting: Wall/Ceiling (Kits Included) |
| | | | Operating Temperature: -10 to 70 C (14 to 158 F) |
| | | | Operating Humidity: 5 to 95% Noncondensing |
| | | | Certifications: CE, FCC, IC |
| | | | Advanced Traffic Management |
| | | | VLAN: 802.1Q |
| | | | Advanced QoS: Per-User Rate Limiting |
| | | | Guest Traffic Isolation: Supported |
| | | | WMM: Voice, Video, Best Effort, and Background |
| | | | Concurrent Clients: 200+ |
| | | | Supported Data Rates (Mbps) |
| | | | Standard Data Rates |
| | | | 802.11a 6,9,12,18,24,36,48,54 Mbps |
| | | | 802.11n 6.5 Mbps to 300 Mbps (MCS0-MCS15, HT 20/40) |
| | | | 802.11ac 6.5 Mbps to 1.7 Gbps (MCS0-MCS9 NSS1/2/3/4, VHT 20/40/80) |
| | | | 58 Mbps to 1.7 Gbps (MCS0-MCS9 NSS1/2, VHT 160) |
| | | | 802.11b 1, 2, 5.5, 11 Mbps |
| | | | 802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps |
| 132 | 1 | unit | WiFi router |
| | | | ■Wired standard: IEEE802.3, IEEE802.3u |
| | | | ■Interface: 10 / 100Mbps WAN port * 1 10/100Mbps LAN ports*3 |
| | | | ■Antenna: 6dBi external dual-frequency omnidirectional antenna * 5 |
| | | | ■Button: WiFi on / off * 1, WPS / Reset button * 1 |
| 133 | 1 | pc | Wireless Optical Mouse |
| | | | ■Adjustable 500/1000 DPI high-definition tracking engine |
| | | | ■Reliable 2.4GHz wireless connection, perfect for anti-jamming |
| | | | ■Supports 4D scroll wheel and optical buttons No installation software or drivers required: plug and play |
| | | | ■Powered by AA alkaline batteries, you can use this mouse |

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| | | | <i>with only one battery</i> |
| 134 | 2 | unit | Drone (Professional Quadcopter With 5.5" Screen) |
| | | | <i>Ready To Fly.</i> |
| | | | <i>Obstacle sensing: 5-way.</i> |
| | | | <i>Obstacle avoidance: 4-way.</i> |
| | | | <i>Redundant sensors: obstacle avoidance, dual compasses, dual IMUs.</i> |
| | | | <i>Range: 4.3 miles.</i> |
| | | | <i>Maximum flight time: 30 minutes.</i> |
| | | | <i>Top speed: 45 mph.</i> |
| | | | <i>Big 1-inch sensor.</i> |
| | | | <i>5.5-inch video monitor for controller.</i> |
| | | | <i>4K video @ 60fps.</i> |
| | | | <i>20MP stills, up to 14fps bursts.</i> |
| | | | <i>Mechanical shutter that eliminates rolling distortion.</i> |
| | | | <i>Wireless compatibility</i> |
| | | | <i>Active-Track for locking onto and tracking subjects.</i> |
| 135 | 2 | unit | USB 3.0 Hub, 7 Ports |
| | | | ■ USB 3.0 HUB, 7 Ports, High Speed Strong Power USB HUB 3.0 |
| | | | ■ Up to 5Gbps Super-Speed, High speed 480Mbps, Full Speed 12Mbps, and Low Speed 1.5Mbps Transmission |
| | | | ■ Support 2TB large capacity HDD |
| | | | ■ Plug and Play, No driver required |
| | | | ■ compatible with windows series, Mac OS, Linux, |
| | | | ■ Interface independent switch design |
| | | | ■ DC 5V power supply port |
| 136 | 5 | pc | Computer HD Webcam |
| | | | ■ 1080P Full HD Webcam |
| | | | ■ Lens: HD lens |
| | | | ■ Sensor Type: CMOS |
| | | | ■ Video Format: AVI |
| | | | ■ Frame Rate: at least 30FPS |
| | | | ■ Drive Type: free drive. Plug and play |
| | | | ■ Photo Format: BMP JPG |
| | | | ■ Resolution: 1920 * 1080 P |
| | | | ■ Output Format: M-JPEG |
| | | | ■ Interface Type: USB2.0 |
| | | | ■ Microphone: Built-in microphone |
| | | | ■ Focusing Range: 20mm |
| 137 | 1 | pc | Computer Motherboard - H310M H 2.0 |
| 138 | 3 | pair | Multimedia Speakers 2.0, 6W, USB powered |
| | | | <i>Total Output Power (RMS): 6W</i> |
| | | | <i>Satellite wattage (RMS):3W</i> |
| | | | <i>Satellite Driver : Size : 2.5"</i> |
| | | | <i>Frequency Range: 70-20000 Hz</i> |
| | | | <i>Interface: 3.5mm jack</i> |
| | | | <i>Housing material : ABS</i> |
| | | | <i>Controls: Overall Volume</i> |
| | | | <i>Power Supply: via USB, 5V</i> |
| 139 | 1 | unit | Thermal Receipt Printer |
| | | | <i>Receipt Ticket Thermal Printer</i> |
| 140 | 2 | unit | UPS 1200VA-650W Uninterruptible Power Supply |
| | | | <i>5 outlets (4 universal, 1 IEC 60320 C13), 1200VA/650W, AVR Technology, Surge Protection, Easy to use</i> |
| | | | <i>Output Capacity: 1200VA/650W</i> |
| | | | <i>Output (on battery): 220V-240V, 50/60Hz +/- 1Hz</i> |

| | | | |
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| | | | Input Power: 220V-240V, 50/60Hz +/- 5Hz (auto sensing) |
| | | | Surge: 273 J |
| | | | Battery recharge time: 8 hours |
| | | | No. of Outlets: 5 - 4 universal, 1 IEC 60320 C13 |
| | | | Dimension: 39 x 19 x 14 cm |
| | | | Battery Type: Lead-Acid |
| 141 | 3 | pc | Window speaker intercom system |
| | | | ■Dual-way anti-interference intercommunication |
| | | | ■Connection cable length: at least 8m / 26.25ft |
| | | | ■Working voltage: DC12V / 500mA |
| | | | ■Adapter: AC 110/220V 50/60Hz |
| | | | ■Main sound (sub sound): 3W+3W |
| | | | ■Microphone sensitivity: -48db 20Hz-16KHz |
| | | | ■Material: aluminum alloy shell |
| 142 | 2 | units | UPS Battery Backup, 1500VA |
| | | | ■ Capacity: at least 1500VA/900w |
| | | | Output voltage: 220 |
| | | | Output frequency: 57-63 Hz for 60 Hz (or 50/60 Hz ± 3 Hz Sync to mains) |
| | | | Input: 200 – 240 V, 50/60 HZ, 16.0 A maximum |
| | | | Input frequency: 50/60 Hz +/- 3 Hz Auto-sensing |
| | | | ■6 battery backup sockets |
| | | | ■USB, coax, phone/network, and serial ports |
| | | | ■ with Automatic Voltage Regulation (AVR) |
| | | | ■LCD screen |
| | | | ■at most 4 hours charging time |
| 143 | 1 | pc | Ink, Brother LC-539XL, Cyan |
| 144 | 1 | pc | Ink, Brother LC-539XL, Magenta |
| 145 | 4 | unit | Apple iPad 10.9 Wifi |
| | | | ■10.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology |
| | | | ■2360-by-1640-pixel resolution at 264 pixels per inch (ppi) |
| | | | ■8-core CPU; 8-core GPU Neural Engine 8GB RAM |
| | | | ■256 GB storage |
| | | | ■WiFi model |
| | | | ■USB-C Charge Cable (1 meter) |
| | | | ■20W USB-C Power Adapter |
| | | | ■Compatible with existing Apple devices |
| 146 | 2 | unit | Monitor, 27" IPS, 4K (3840 x 2160) |
| | | | ■Size (Inch): 27 Inch |
| | | | ■Resolution: 3840 x 2160 |
| | | | ■Panel Type: IPS |
| | | | ■Aspect Ratio: 16:9 |
| | | | ■Pixel Pitch: 0.1554 x 0.1554 mm |
| | | | ■Brightness (Typ.): 300 cd/m ² |
| | | | ■Color Gamut (Typ.): sRGB 98% (CIE1931). |
| | | | ■Color Depth (Number of Colors): 1.07B |
| | | | ■Contrast Ratio (Min.): 700:1 |
| | | | ■Contrast Ratio (Typ.): 1000:1 |
| | | | ■Response Time 5ms (GtG at Faster) |
| | | | ■Viewing Angle (CR≥10) 178°(R/L), 178°(U/D) |
| | | | ■Surface Treatment Anti-Glare |
| 147 | 3 | unit | External Hard Disk Drive (Portable, 4TB), USB 3.1 |
| | | | ■Shock-absorbing |
| | | | ■Interface: USB 3.1 (Max.5Gb/s) |
| | | | ■Capacity: 4TB |
| | | | ■Texture: Plastic/Rubber |

| | | | |
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| | | | <ul style="list-style-type: none"> ■ Operating Voltage: DC 5V, 900mA |
| | | | <ul style="list-style-type: none"> ■ System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later |
| 148 | 2 | unit | <p>SDS: 8417M Micro Cut Paper Shredder</p> <p>Paper Shredder</p> <p>Features:</p> <ul style="list-style-type: none"> - Sheets / Pass: 17 Pages - Cut Type: Micro-Cut - Cut Size: 2mmx10mm - Security: High Security Level Din-P-5 - Users: 5+ - Bin Size: 26L - Safety: Safe touch function - stops shredder immediately when hand is detected too close to the paper opening - Shreds: Paper, staples, paper clips, CDs, credit cards - Warranty: 1 Year - LCD display, retractable cover guard, easy carry handles, bin level indicator, easy roll wheels <p>What's in the box</p> <ul style="list-style-type: none"> 1 x Shredder 1 x Manual |
| 149 | 1 | unit | <p>Computer Printer</p> <ul style="list-style-type: none"> ■ Compact integrated tank design ■ Print speeds up to 10.5ipm for black and 5.0ipm for colour ■ Auto-duplex printing ■ Wi-Fi & Wi-Fi Direct ■ Borderless Printing up to A4 size ■ Spill-free ink refilling ■ Warranty of 2 years or 30,000 pages, whichever comes first ■ Printer Type: <ul style="list-style-type: none"> ◀ Print, Scan, Copy ■ Printing Technology: ■ Print Method: <ul style="list-style-type: none"> ◀ On-demand inkjet (piezoelectric) ■ Minimum Ink Droplet Volume: <ul style="list-style-type: none"> ◀ 3 pl ■ Printer Language: <ul style="list-style-type: none"> ◀ ESC / P-R ■ Print Direction: <ul style="list-style-type: none"> ◀ Bi-directional printing, Uni-directional printing ■ Nozzle Configuration: <ul style="list-style-type: none"> ◀ 180 nozzles Black, 59 nozzles per colour (Cyan, Magenta, Yellow) ■ Maximum Resolution: <ul style="list-style-type: none"> ◀ 5760 x 1440 dpi (with Variable-Sized Droplet Technology) ■ Automatic 2-sided Printing: <ul style="list-style-type: none"> ◀ Yes (up to A4) ■ Print Speed: <ul style="list-style-type: none"> ◀ Photo Default - 10 x 15 cm / 4 x 6 " *2: <ul style="list-style-type: none"> ◀ 1Approx. 69 sec per photo (Border) *1 ◀ Approx. 92 sec per photo (Borderless) *1 ■ Draft, A4 (Black / Colour): <ul style="list-style-type: none"> ◀ Up to 33 ppm / 15 ppm *1 ■ ISO 24734, A4 Simplex (Black / Colour): <ul style="list-style-type: none"> ◀ Up to 10.5 ipm / 5.0 ipm *1 ■ ISO 24734, A4 Duplex (Black / Colour): <ul style="list-style-type: none"> ◀ Up to 6.0 ipm / 4.0 ipm *1 |

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| | | | ■ Copy Speed: |
| | | | ■ Copy Quality: |
| | | | ◀ Draft / Standard / Best Quality |
| | | | ■ Maximum Copies from Standalone: |
| | | | ◀ 99 copies |
| | | | ■ Reduction / Enlargement: |
| | | | ◀ 25 - 400%, Auto Fit Function |
| | | | ■ Maximum Copy Size: |
| | | | ◀ A4, Letter |
| | | | ■ ISO 29183, A4 Simplex Flatbed (Black / Colour): |
| | | | ◀ Up to 7.7 ipm / 3.8 ipm |
| | | | ■ Max Copy Resolution:0 |
| | | | ◀ 1440 x 720 dpi |
| | | | ■ Scan Function: |
| | | | ■ Scanner Type: |
| | | | ◀ Flatbed colour image scanner |
| | | | ■ Sensor Type: |
| | | | ◀ CIS |
| | | | ■ Optical Resolution: |
| | | | ◀ 1200 x 2400 dpi |
| | | | ■ Maximum Scan Area: |
| | | | ◀ 216 x 297 mm (8.5 x 11.7 ") |
| | | | ■ Scanner Bit Depth (Colour): |
| | | | ◀ 48-bit input, 24-bit output |
| | | | ■ Scanner Bit Depth (Grayscale): |
| | | | ◀ 16-bit input, 8-bit output |
| | | | ■ Scanner Bit Depth (Black & White): |
| | | | ◀ 16-bit input, 1-bit output |
| | | | ■ Scan Speed: |
| | | | ■ Flatbed (Black / Colour): |
| | | | ◀ 200 dpi: 11 sec / 200 dpi: 28 sec |
| | | | ■ Paper Handling: |
| | | | ■ Number of Paper Trays: |
| | | | ◀ 1 (Paper Cassette) |
| | | | ■ Standard Paper Input Capacity: |
| | | | ◀ 100 sheets, A4 Plain paper (80 g/m2) |
| | | | ◀ 20 sheets, Premium Glossy Photo Paper |
| | | | ■ Output Capacity: |
| | | | ◀ 30 sheets, A4 Plain Paper |
| | | | ◀ 20 sheets, Premium Glossy Photo Paper |
| | | | ■ Maximum Paper Size: |
| | | | ◀ 215.9 x 1200 mm (8.5 x 47.24 ") |
| | | | ■ Paper Feed Method: |
| | | | ◀ Friction feed |
| | | | ■ Paper Size: |
| | | | ◀ Legal, 8.5 x 13 ", Letter, A4, 195 x 270 mm, B5, A5, A6, 100 x 148 mm, B6, 5 x 7 ", 4 x 6 ", Envelopes #10, DL, C6 |
| | | | ■ Print Margin: |
| | | | ◀ 0 mm top, left, right, bottom via custom settings in printer driver (except plain paper) *3 |
| | | | ■ Card Slot / USB Host Function: |
| | | | ■ Type of Direct Printing: |
| | | | ◀ Memory Device |
| | | | ■ Supported Memory Cards: |
| | | | ◀ SD Memory Card |
| | | | ■ Printer Software: |
| | | | ■ Operating System Compatibility: |

| | | | |
|-----|---|-------|---|
| | | | ◀Windows XP / XP Professional x 64 Edition / Vista / 7 / 8 / 8.1 / 10 |
| | | | ◀Windows Server 2003 / 2008 / 2012 / 2016 |
| | | | ◀Only printing and scanning functions are supported for Windows Server OS |
| | | | ◀Mac OS X 10.6.8 or later |
| | | | ☐Interface: |
| | | | ☐USB: |
| | | | ◀USB 2.0 |
| | | | ☐Network: |
| | | | ◀Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct |
| | | | ☐Network Protocol: |
| | | | ◀TCP/IPv4, TCP/IPv6, LPD, IPP, PORT9100, WSD |
| 150 | 1 | unit | Printer All-inOne System With Wi-fi, ADF and Ink Tank system |
| | | | ☐PRINTER TYPE: |
| | | | ◀Print, Scan, Copy, Fax with ADF |
| | | | ☐ISO PRINT SPEED (BLACK/COLOUR): |
| | | | ◀Up to 10 ipm / 5.0 ipm |
| | | | ☐ISO PRINT SPEED (BLACK/COLOUR): |
| | | | ◀Up to 7.7 ipm / 3.8 ipm |
| | | | ☐MAXIMUM COPY SIZE: Legal |
| | | | ☐SCAN SPEED (FLATBED / ADF): |
| | | | ◀12 sec / 4.5 ipm (black), 29 sec / 4.5 ipm (colour) |
| | | | ☐TYPE OF FAX: |
| | | | ◀Walk-up Black and white and colour fax capability |
| | | | ☐SUPPORTED OS & APPLICATIONS: |
| | | | ◀Windows XP / Vista / 7 / 8 / 8.1 / 10 |
| | | | ◀Windows Server 2003/ 2008 / 2012 / 201 |
| | | | ◀Mac OS X 10.6.8 or later |
| | | | ☐INTERFACE: |
| | | | ◀USB 2.0, Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct |
| 151 | 4 | units | Desktop Computer, All-in-One (AIO), 21.5" IPS |
| | | | ☐Processor: Intel Core i3-1005G1 (2C / 4T, 1.2 / 3.4GHz, 4MB) or higher |
| | | | ☐Graphics: Integrated Intel UHD Graphics |
| | | | ☐Chipset: Intel SoC Platform Memory: 1x 8GB SO-DIMM DDR4-3200 |
| | | | ☐Memory Slots: Two DDR4 SO-DIMM slots, dual-channel capable |
| | | | ☐Max Memory: Up to 16GB DDR4-3200 |
| | | | ☐Storage: 512GB SSD M.2 2280 PCIe 3.0 NVMe |
| | | | ☐Display: 21.5" FHD (1920x1080) IPS 250nits |
| | | | ☐Touchscreen: None |
| | | | ☐Keyboard: Calliope Wireless Keyboard |
| | | | ☐Mouse: Calliope Wireless Mouse |
| | | | ☐Expansion Slots: Two M.2 slots (one for WLAN, one for SSD) |
| | | | ☐Ethernet: Integrated 100/1000M WLAN + Bluetooth: 11ax, 2x2 + BT5.0 |
| | | | ☐Rear Ports: 1x power connector 1x HDMI 1.4 out 1x Ethernet (RJ-45) 2x USB 2.0 1x USB 3.1 Gen 1 |
| | | | ☐Left Ports: 1x headphone / microphone combo jack (3.5mm) 1x card reader 1x USB 3.1 Gen 1 |
| 152 | 1 | set | Desktop Computer (i3, 11th Gen) |
| | | | ☐Processor: Intel Core i3-11300 (4 cores /8 threads) or higher |
| | | | ☐Motherboard: Intel H510M Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1200 |

| | | | |
|-----|----|------|---|
| | | | <ul style="list-style-type: none"> ■ 8GB DDR4 2933 DIMM Desktop Memory or higher ■ SSD: 240GB NVMe or higher ■ Keyboard and Mouse Combo ■ Casing with Power Supply ■ Monitor: 18.5 inch, HD Ready (1366 X 768), TN Panel Connectivity Port: 1 VGA Port, 1 HDMI Port / Aspect Ratio: 16:9, Brightness (Typical): 200 cd/m2 / Refresh Rate: 60 Hz, ■ Operating System: Genuine Windows 10 Home (OEM) ■ AVR: 500W IC controlled |
| 153 | 4 | unit | External Hard Disk Drive (Portable, 2TB), USB 3.1 <ul style="list-style-type: none"> ■ Shock-absorbing ■ Interface: USB 3.1 (Max.5Gb/s) ■ Capacity: 2TB ■ Texture: Plastic/Rubber ■ Operating Voltage: DC 5V, 900mA ■ System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later |
| 154 | 2 | unit | GPS, Waterproof Hiking <p>General</p> <ul style="list-style-type: none"> Physical Dimensions - 2.7" x 6.2" x 1.2" (6.9 x 15.7 x 3.0 cm) Display Size - 1.6" x 2.2" (4.1 x 5.6 cm) Display Type - 256 color transfective TFT Weight - 7.7 oz (218 g) with batteries Battery Type - 2 AA batteries Battery Life - 18 hours, typical Watering Rating - IPX7 High-Sensitivity Receiver - Yes <p>Maps & Memory</p> <ul style="list-style-type: none"> Ability to add maps - Yes Basemap - Yes Automatic routing (turn by turn routing on roads) - Yes External Memory Storage - 128 microSD card (included) Waypoints/favorites/locations - 1000 Track Log - 10,000 points; 20 saved tracks Routes - 50 <p>Outdoor Recreation</p> <ul style="list-style-type: none"> Hunt/Fish Calendar - Yes Sun and Moon information - Yes Geocaching-Friendly - Yes <p>Sensors</p> <ul style="list-style-type: none"> Barometric Altimeter - Yes Compass - Yes Area Calculation - Yes |
| 155 | 10 | pc | Ink cartr HP # Q6003A, magenta |

***Section VIII. Checklist of Technical and
Financial Documents***

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);

Technical Documents

- (f) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (g) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid in the amount of *at least 50% of the ABC or at least Three Million Four Hundred Twenty Seven Thousand One Hundred Forty Five Pesos (PhP 3,427,145.00)*; **or**
Statement of at least two (2) similar completed contracts, the aggregate amount of which should be equivalent to *at least 50% of the ABC or at least Three Million Four Hundred Twenty Seven Thousand One Hundred Forty Five Pesos (PhP 3,427,145.00)* and the largest of these similar contracts must be equivalent to at least half of the said aggregate amount or *at least One Million Seven Hundred Thirteen Thousand Five Hundred Seventy Two and 50/100 Pesos (PhP 1,713,572.50)*; **and**
- (h) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; **or**
Original copy of Notarized Bid Securing Declaration; **and**
- (i) Conformity with the Technical Specifications; **and**
- (j) Schedule of Requirements/production and delivery schedule; **and**
- (k) Manpower requirements; **and**
- (l) After-sales service/parts; **and**
- (m) Original duly signed Omnibus Sworn Statement (OSS); **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- (n) The Supplier's audited financial statements, showing, among others, the Supplier's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**
- (o) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) – at least equal to ABC (**PhP 6,854,290.00**); **or**

A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation (at least 10% of ABC or **PhP 865,429.00**).

II. FINANCIAL COMPONENT ENVELOPE

- (a) Original of duly signed and accomplished Financial Bid Form; **and**
- (b) Original of duly signed and accomplished Price Schedule(s).

Guidelines on the Preparation of Electronic Bid (e-Bid)
(for bidders who prefer electronic bid submission)

1. Convert all documents into Portable Document Format (PDF) and should be printable.
2. Properly label all documents for prompt identification. Filename of documents, whichever are applicable to the bidder, should be as follows:

| Document | Filename (in PDF form) |
|--|----------------------------------|
| 1. PhilGEPS Certificate of Registration (Platinum) | PhilGEPS |
| 2. Statement of On-Going Government & Private Contracts | Statement of On-Going Contracts |
| 3. Statement of Bidder's Single Largest Completed Contract | SLCC |
| 4. Statement of at least two (2) similar completed contracts | Statement of Completed Contracts |
| 5. Bid Security | Bid Security |
| 6. Technical Specifications | Technical Specifications |
| 7. SCHEDULE of Requirements/Production and delivery schedule | Schedule of Requirements |
| 8. Manpower Requirements | Manpower Requirements |
| 9. After Sales service/parts | After Sales |
| 10. Omnibus Sworn Statement | Omnibus Sworn Statement |
| 11. Audited Financial Statements | Audited Financial Statements |
| 12. Net Financial Contracting Capacity | NFCC |
| 13. Committed Line of Credit | CLC |
| 14. Bid Form | Bid Form |
| 15. Price Schedule | Price Schedule |

3. Create two (2) folders that are password-protected. The first folder should contain all requirements under Technical Component checklist as presented under Section VIII. The second folder should contain all requirements under Financial Component checklist.
4. Compress the two (2) folders and name as follows: a) first folder: **Technical Documents**, b) second folder: **Financial Documents**.
5. Email the 2 compressed folders to Mr. Leopoldo Escala at leopoldo.escala@vsu.edu.ph before the deadline (November 8, 2023; 1:30 PM)



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