



**BID BULLETIN 01**

**Date:** 06 March 2023  
**Project Title:** Supply and Delivery of I.T. Equipment (VSU-GOODS-23-13)  
**Location:** VSU Main, Visca, Baybay City, Leyte

Bidders are hereby informed/reminded of the following addendums/amendments/clarifications:

**I. LIST OF REQUIREMENTS**

<b>(1st Envelope) TECHNICAL COMPONENT ENVELOPE</b>	
<i>Legal Documents</i>	
1	PhilGEPS Certificate of Registration (Platinum)
<i>Technical Documents</i>	
2	Statement of All On-Going Government & Private Contracts
3	Statement of Bidder's Single Largest Completed Contract (at least 50% of the ABC or Php <b>3,610,170.00</b> )
	Or
	Statement of at least two (2) similar completed contracts w/ total amount of at least Php 3,610,170.00 and the largest of which should be at least Php <b>1,805,085.00</b> .
4	Bid Security
5	Technical Specifications
6	SCHEDULE of Requirements/Production and delivery schedule
7	Manpower Requirements
8	After Sales service/parts from acceptance of delivered goods (at least 1 year for equipment and 3 months for supplies)
9	Original Duly Signed Omnibus Sworn Statement
<i>Financial Documents</i>	
10	The Supplier's Audited Financial Statements
11	Net Financial Contracting Capacity (at least Php <b>7,220,340.00</b> )
	Or
	Committed Line of Credit (at least Php <b>722,034.00</b> )
<b>(2<sup>nd</sup> Envelope) FINANCIAL COMPONENT ENVELOPE</b>	
12	Original of duly signed and accomplished Financial Bid Form
13	Original of duly signed and accomplished Price Schedule(s)

**Please take note:**



1. In the **Technical Specifications**, bidders must state either “Comply” or “Not Comply” **against each of the individual parameters of the specifications** per item stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in the **Bidders Bid** and cross-referenced to that evidence. Evidence shall be in the form of **manufacturer’s un-amended sales literature (Data Sheets), unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data, and Brand and Model** 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 Bidders 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 provisions of **ITB** Clause 3.1(a)(ii) and/or **GCC** Clause 2.1 (a)(ii).

2. Bidders are advised to use the latest GPPB forms for the following documents:

- a) Omnibus Sworn Statement
- b) Performance Securing Declaration (if applicable)
- c) Price Schedule for Goods Offered
- d) Bid Form
- e) Bid Securing Declaration

These forms can be accessed from the GPPB website: <https://www.gppb.gov.ph/downloadables.php>. Documents that are not in its updated/latest format shall be a ground for disqualification of the bidder.

**II. Preparation of Electronic Bid (for bidders who prefer electronic bid submission)**

- 1. **Scan per document** 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/	Schedule of Requirements
8. Production and delivery schedule	
9. Manpower Requirements	Manpower Requirements
10. After Sales service/parts	After Sales
11. Omnibus Sworn Statement	Omnibus Sworn Statement
12. Audited Financial Statements	Audited Financial Statements
13. Net Financial Contracting Capacity	NFCC
14. Committed Line of Credit	CLC
15. Bid Form	Bid Form
16. 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 Ms. Jessamine C. Ecleo at [jessamine.ecleo@vsu.edu.ph](mailto:jessamine.ecleo@vsu.edu.ph) before the deadline.

### III. Changes in the Bidding Documents

Original	
<p><b>Section I. Invitation to Bid</b></p> <p>5. A complete set of Bidding Documents may be acquired by interested Bidders on <i>20 February – 14 March 2023 until 1:30 PM</i> 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.</p>	<p><i>(Amendment)</i></p> <p>A complete set of Bidding Documents may be acquired by interested Bidders on <i>20 February – 14 March 2023 until 1:30 PM</i> 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:</p> <p>The Bidders may deposit the payment for the bidding documents to the Visayas State University Landbank Account with the following details:</p> <p>Account Name: Visayas State University Fund 164 Account Number: <u>3572-1000-13</u></p> <p>Then send the deposit slip to <a href="mailto:jessamine.ecleo@vsu.edu.ph">jessamine.ecleo@vsu.edu.ph</a></p>
<p><b>Section II. Instructions to Bidders</b></p> <p>15. Sealing and Marking of Bids</p>	<p><i>(Additional Instructions)</i></p> <p>Bidders are requested to submit three (3) copies of its bid – 1 Original, Copy 1, and Copy 2.</p> <p>For filing purposes, the bidders are urged to use <b>Orange</b> envelopes for its Technical and Financial Component envelopes, including the Mother (outer) Envelope.</p>
<p><b>Section VI. Schedule of Requirements</b></p> <p>All items should be delivered to VSU Main Campus, Visca, Baybay City, Leyte within 45 calendar days from</p>	<p><i>(Amendment)</i></p> <p>All items should be delivered to VSU Main Campus, Visca, Baybay City, Leyte within 45 calendar days <b>except item Numbers 25 &amp; 120 that should be</b></p>



receipt of Notice to Proceed and Purchase Order	delivered within 90 calendar days from receipt of Notice to Proceed and Purchase Order
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**IV. Revised List of Goods and Technical Specifications**

- Some Specifications were added (in red font) and/or deleted (in blue font)
- Some Quantities and Unit Prices (ABC) were changed

Item No.	Description	Unit	Qty	ABC/Unit	Total ABC
1	<b>500GB M.2 NVME Gen3 SSD</b>	pieces	1	5,800.00	5,800.00
	☐Capacity: 500 GB				
	☐Interface: PCIe Gen3 x4				
	☐Sequential Read Performance: 3430MB/s				
	☐Sequential Write Performance: 2600MB/s				
	☐Form Factor: M.2 2280				
2	<b>All-in-One Ink Tank Printer Wi-Fi Duplex with ADF</b>	unit	3	21,000.00	63,000.00
	☐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				
3	<b>Apple AirPods Max Wireless Headphones for Multimedia Production</b>	unit	1	36,500.00	36,500.00
	☐Apple-designed dynamic driver				
	☐Active Noise Cancellation				
	☐Transparency mode				
	☐Personalized Spatial Audio with dynamic head tracking <sup>1</sup>				
	☐Adaptive EQ				
	☐Optical sensor (each ear cup)				
	☐Position sensor (each ear cup)				
	☐Case-detect sensor (each ear cup)				
	☐Accelerometer (each ear cup)				
	☐Gyroscope (left ear cup)				
	☐Eight microphones for Active Noise Cancellation				
	☐Three microphones for voice pickup (two shared with Active Noise Cancellation and one additional microphone)				
	☐Apple H1 headphone chip (each ear cup)				
	☐Compatible with Existing Macbook, iPad and Mac Pro				
4	<b>Apple Pencil (2nd Generation) for iPad Pro and iPad Air</b>	pc	2	10,200.00	20,400.00
	☐Pixel-perfect precision and industry-leading low latency				
	☐Compatible with iPad Pro and iPad Air and attaches magnetically for automatic charging and pairing.				
	☐Connections: Bluetooth				
	☐Genuine Apple accessory				



5	<b>Arduino UNO microcontroller, Microchip AT mega328P</b>	unit	2	1,500.00	3,000.00
6	<b>ATX Power Supply (500W)</b>	pieces	2	980.00	1,960.00
	☐Single 6pin				
	☐24pin connector				
	☐Dual 4pin for board				
	☐4 sata supply				
	☐4 molex supply				
7	<b>Automatic Voltage Regulator (AVR), 1500W, heavy duty</b>	unit	1	5,000.00	5,000.00
	☐Input: 220volts				
	☐Power: 1500watts				
	☐Output: 110-220 volts				
	☐Range voltage 120v-220 volts				
	☐Servo motor controlled				
8	<b>AVR, 500W (IC Controlled)</b>	unit	25	500.00	12,500.00
	☐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				
9	<b>B207MP3 Active 150 Watt 6.5" PA/Monitor Speaker System with MP3 Player</b>	unit	1	26,000.00	26,000.00
	☐Multi-purpose, 150-Watt, active speaker for vocal and keyboard monitoring, multi-media, press conferences and home recording studio, etc.				
	☐High-performance MP3 player included to play audio files via USB stick				
	☐Revolutionary Class-D amplifier technology: enormous power, incredible sonic performance and super-lightweight				
	☐6.5? premium-quality, full-range driver for excellent sound performance				
	☐Ultra-low noise 4-channel mixer with 3-band EQ				
	☐3 "Invisible" Mic Preamps with phantom power for condenser microphones and 1 instrument-ready input (no DI required)				
	☐Dedicated stereo input for keyboards, MP3, CD, etc.				
	☐XLR "through" connector with mic/line switch for linking more B207MP3s				
	☐Mic stand integration system for use with stand and boom				
	☐Integrated limiter for ultimate system control and speaker protection				
	☐Internal switch-mode power supply for noise-free audio, superior transient response and very low power consumption				
	☐Super-tough, impact-resistant enclosure with integrated top carry handle				
	☐Designed and engineered in Germany				
10	<b>Computer HD Webcam</b>	pieces	2	4,000.00	8,000.00
	☐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				
<b>11</b>	<b>Computer Keyboard USB</b>	pcs	17	400.00	6,800.00
	☐Standard Keyboard with 104 Keys				
	☐USB Connection				
	☐Low Profile Key Caps				
	☐Minimum Key Noise				
	☐Laser Printing for Key Layout				
	☐Spill Resistant Design				
<b>12</b>	<b>Computer Monitor 24", IPS, Bezel-less Full HD Monitor</b>	set	5	10,000.00	50,000.00
	☐Panel Type: IPS				
	☐Brightness(Typical): 250cd/m <sup>2</sup>				
	☐Brightness(Min): 200cd/m <sup>2</sup>				
	☐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)				
<b>13</b>	<b>Computer Printer 3-in-1</b>	unit	3	12,500.00	37,500.00
	☐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				
<b>14</b>	<b>Computer Printer, All-in-One/Multifunction Colored-Ink Tank</b>	unit	4	14,000.00	56,000.00
	☐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				
<b>15</b>	<b>Desktop Computer (i3, 10th Gen), Assembled</b>	set	16	35,000.00	560,000.00
	☐Processor: Intel Core i3-10th Gen (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				
<b>16</b>	<b>Desktop Computer (i5, 11th Gen), Assembled</b>	unit	5	60,000.00	300,000.00
	☐Processor: Intel Core i5-11400 or higher				
	☐Motherboard: Intel H510M S2H (6+2 Phases Digital VRM, Anti-sulfur resistors, LGA 1200, Micro-ATX, PCIe 4.0, USB 3.2 Gen) or higher				
	☐Memory: 16GB (2x8 or 1x16) DDR4 or higher				
	☐SSD: 500GB NVMe M.2, or higher				
	☐Optical Drive: DVD-RW				
	☐Casing: W/ 700W PSU,				
	☐Monitor: 23" IPS FHD,				
	☐Operating System: Genuine Windows 10 Home (OEM)				
	☐Keyboard and mouse combo				
	☐500W IC controlled AVR				
	☐Stereo speakers				
<b>17</b>	<b>Desktop Computer (i7), 11th Gen, 8GB RAM, Assembled</b>	unit	1	55,000.00	55,000.00
	☐Processor: Intel® Core™ i7-11700 or higher				
	☐Chipset: Intel®H510 with ultradurable capacitors or higher				
	☐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				
<b>18</b>	<b>Desktop Computer, Assembled, 12th Gen Core i3</b>	sets	3	35,000.00	105,000.00
	☐Processor: 12th Generation Intel® Core™ i3 12100 Processor, with Processor Graphics: Intel® UHD Graphics 730 or higher				
	☐Motherboard: Intel® H610 Motherboard with 6+1+1 Hybrid Phases Digital VRM Design, PCIe 4.0* Design, Gen3 x4 M.2, mATX form factor , Anti-Sulfur Resistor or higher				
	☐Memory: 16GB (2x8 or 1x16) 3200MHz DDR4 or higher				
	☐SSD: 240GB 3D NAND SSD PCIe Gen3x4 or higher				
	☐Casing: mATX casing with transparent acrylic side panels				
	☐Power supply: 450Watts 80+ Bronze Certified with 120mm thermally controlled low-noise cooling fan or higher				



	☐Monitor: 23" IPS FHD, 72% NSTC color gamut with 75Hz refresh rate or higher				
	☐Keyboard and Mouse Combo: Spill-resistant design with Up to 5 million keystrokes (excludes number lock key) keyboard and full-sized ambidextrous optical mouse				
	☐Operating System: Genuine Windows 11				
<b>19</b>	<b>Desktop Computer, Assembled, 12th Gen Core i3, No OS and Monitor</b>	unit	48	18,000.00	864,000.00
	☐Processor: Intel i3-12100 4C/8T 3.30 GHz up to 4.30 GHz, 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: 8GB DDR4 3200MHz or higher				
	☐SSD: 250 GB SATA III, read speeds up to 550 MB/s or higher				
	☐Generic mATX casing with 700W PSU				
<b>20</b>	<b>Desktop Computer, Assembled, 12th Gen Core i5, SSD and HDD</b>	sets	6	45,000.00	270,000.00
	☐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				
<b>21</b>	<b>Desktop Computer,Assembled, with Monitor, Core i5 12th Gen, 8GB RAM</b>	sets	1	45,000.00	45,000.00
	☐Processor: 12th Generation Intel® Core™ i5-12400 Processor(2.50 GHz up to 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				





	<ul style="list-style-type: none"> <li>☐SSD: 256 GB SSD M.2 2280 PCIe or higher</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Casing: mATX casing</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Power supply: at least 450W, True Rated 80+ Bronze</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Monitor: 24" FHD (1920 x 1080) IPS Monitor, NTSC 72%, 5ms response time, 60Hz</li> </ul>				
<b>22</b>	<b>Desktop Monitor, 24" IPS, 75Hz</b>	pcs	2	8,500.00	17,000.00
	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 <sup>2</sup> Brightness (Typ.) 250 cd/m <sup>2</sup>				
	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				
<b>23</b>	<b>Desktop System Unit Only Intel (Gen i5), Assembled</b>	unit	3	26,500.00	79,500.00
	<ul style="list-style-type: none"> <li>☐Processor: Intel Core i5-10400F Processor 2.90 GHz 12M Cache, up to 4.30 GHz or higher</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Motherboard: mATX Motherboard for LGA1200 Intel 10th Gen Processors, with Intel 410 Chipset and ultra-durable components or higher</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Graphics: NVIDIA GeForce GTX 1650 SUPER, 4GB GDDR5 or higher</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Memory: 8GB, 1 x 8 GB, DDR4, 2666 MHz or higher</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Storage: 256GB SSD + 1TB SATA or higher</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Operating System: Genuine Windows 10</li> </ul>				
<b>24</b>	<b>Document Scanner w/ ADF</b>	unit	1	40,000.00	40,000.00
	<ul style="list-style-type: none"> <li>☐Flatbed Colored Document Scanner</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Combining a flatbed scanner with the convenience of a 50-page ADF</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Quickly scan stacks of documents up to 8.5" x 14"</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Resolution: 1200 x 1200 dpi</li> </ul>				
<b>25</b>	<b>DSLR Camera (24.2 MP, APS-C with 18-55mm lens)</b>	unit	1	50,000.00	50,000.00
	<ul style="list-style-type: none"> <li>☐24.1MP APS-C CMOS Sensor</li> </ul>				
	<ul style="list-style-type: none"> <li>☐3.0" 1.04m-Dot Vari-Angle <del>Touchscreen</del></li> </ul>				
	<ul style="list-style-type: none"> <li>☐Full HD 1080p Video Recording at 60 fps</li> </ul>				
	<ul style="list-style-type: none"> <li>☐45-Point All Cross-Type AF System</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Dual Pixel CMOS AF</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Expanded ISO 25600, Up to 7 fps Shooting</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Built-In Wi-Fi with NFCEF-S 18-55mm f/3.5-5.6 IS STM</li> </ul>				
<b>26</b>	<b>Dual Monitor Bracket with C-clamp and Grommet Fit</b>	unit	1	2,000.00	2,000.00
	<ul style="list-style-type: none"> <li>☐Fit in 18-32 inch Monitor, Vesa compatible</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Height Adjustable Arm</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Maximum Load capacity 13kg each arm(26kg)</li> </ul>				



	both arms)				
	☐Landscape and portrait orientation				
	☐Tilt angle free adjustment				
	☐Velcro strap cable manager				
27	<b>Epson 001 ink, Black, 127ml, Genuine</b>	btls	5	600.00	3,000.00
28	<b>Epson 003 Ink Bottle for Epson L3150, Black</b>	btls	20	400.00	8,000.00
29	<b>Epson 003 Ink Bottle for Epson L3150, CYAN</b>	btls	20	400.00	8,000.00
30	<b>Epson 003 Ink Bottle for Epson L3150, MAGENTA</b>	btls	20	400.00	8,000.00
31	<b>Epson 003 Ink Bottle for Epson L3150, YELLOW</b>	btls	20	400.00	8,000.00
32	<b>Epson ELPAP10 Wireless LAN Module</b>	pc	2	6,000.00	12,000.00
	Wireless protocol supported: 802.11 b/g/n				
	USB Type A Connector				
	Mac & Windows Compatible				
	Transmits Audio				
	Compatible with existing : Epson EB-S31 and EB-X31 projectors				
33	<b>EPSON L220 Ink Cartridge Black</b>	btls	2	350.00	700.00
34	<b>EPSON L220 Ink Cartridge Cyan</b>	btls	1	350.00	350.00
35	<b>EPSON L220 Ink Cartridge Magenta</b>	btls	1	350.00	350.00
36	<b>EPSON L220 Ink Cartridge Yellow</b>	btls	1	350.00	350.00
37	<b>Exhaust Fan</b>	pc	2	2,000.00	4,000.00
	☐Exhaust Fan 12 inch				
	☐power input: 50w				
	☐12 inch plastic blade				
	☐wall-mounted				
	☐reversible motor for desired air flow (Exhaust/Blower)				
	☐with pull cord switch				
	☐detachable plastic panel & front grill				
	☐metal shutters				
	☐Air volume: 28.47/ 19.10 CMM				
	☐Unit dimension: 39cm x 17cmx39cm				
	☐Mounting Dimension: 35cm x 35cm				
38	<b>External Hard Disk Drive (Portable, 1TB), USB 3.1</b>	unit	7	3,500.00	24,500.00
	☐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				
39	<b>External Hard Disk Drive (Portable, 2TB), USB 3.1</b>	unit	8	4,200.00	33,600.00
	☐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				
40	<b>Flash Drive, 128GB, USB 3.0</b>	pcs	6	1,500.00	9,000.00
	☐Capacity:128GB				
	☐Interface: USB 3.0				
	☐Speed: 100MB/s read, 10MB/s write				



41	<b>Flash Drive, at least 32GB USB 3.0</b>	piece	1	800.00	800.00
42	<b>Flash Drive, USB 3.0 with OTG</b>	pcs	11	1,500.00	16,500.00
	☐Capacity: 256GB				
	☐Interface: USB 3.1 Gen 1				
	☐Connector: USB 3.1 Type-C				
	☐Sequential Read Performance: Up to 150MB/s				
	☐All metal 2-in-1 flash drive				
43	<b>Flatbed document scanner w/ ADF, Ethernet and WiFi Capable</b>	unit	3	50,000.00	150,000.00
	☐Color scanning: Yes				
	☐Scan speed ADF: Up to 30 ppm/60 ipm				
	☐Scan type / Technology Flatbed; ADF / CMOS CIS (Contact Image Sensor)				
	☐Scan resolution Hardware: Up to 600 x 600 dpi (color and mono, ADF); Up to 1200 x 1200 dpi (color and mono, flatbed); Optical: Up to 600 x 600 dpi (color and mono, ADF); Up to 1200 x 1200 dpi (color and mono, flatbed)				
	☐Scan file format For text & images: PDF, JPEG, PNG, BMP, TIFF, Text (.txt), Rich Text (rtf) and Searchable PDF				
	☐Scan Size ADF: 8.5 x 122 in Maximum; 4.1 x 5.8 in Minimum; Flatbed: 8.5 x 14 in				
	☐Scanner advanced features Auto exposure, Auto threshold, Auto detect color, Background smooth/removal, Auto detect size, Straighten content, Enhance content, Multi-feed detection sensor, Auto orient, Multicolor dropout, Edge erase, Delete blank page, Merge pages, Hole fill, PDF permissions, Document separation (single page)				
	☐Duplex ADF scanning Yes				
	☐ADF capacity Standard, 50 sheets (75 g/m <sup>2</sup> paper)				
	☐Multi feed detection Yes				
	☐Light source (scanning) Light Emitting Diode (LED)				
	☐Output resolution dpi settings 75; 150; 200; 240; 300; 400; 500; 600; and 1200 ppi				
	☐Twain version TWAIN Certified. Version 2.1				
	☐Bit depth / Grayscale levels 24-bits external 48-bits internal/256				
	☐Standard connectivity USB 2.0 and USB 3.0; Built-in Fast Ethernet 10/100/1000Base-TX network port				
	☐Wireless capability Yes, Wi-Fi 802.11 b/g/n, Wi-Fi				
	☐Direct Memory Standard:1 GB Processor speed				
	☐550 MHz /				
	☐Duty cycle (daily) Recommended daily duty cycle: 4000 pages (ADF), 100 pages (Flatbed) Media types supported Paper (banner, inkjet, photo, plain), envelopes, labels, cards (greeting, index)				
44	<b>Genuine Hp laserjet toner 85A (CE285A) black</b>	boxes	30	2,200.00	66,000.00
45	<b>Graphics Processing Unit (GPU), NVIDIA RTX 3060</b>	unit	3	28,000.00	84,000.00
	☐Display core: NVIDIA GeForce RTX 3060				
	☐Architecture model: Ampere				
	☐Core process (CUDA): 3584				



	☐Core frequency: 1320MHz				
	☐Core Boost Frequency: 1777MHz				
	☐Video memory frequency: 15000MHz				
	☐Video memory capacity:12GB				
	☐Video memory type: GDDR6				
	☐Video memory bit width:192bit				
	☐Bus interface type: PCI Express X16 4.0				
<b>46</b>	<b>Graphics Tablet for e-signature with Pen</b>	pc	1	3,000.00	3,000.00
	☐Support interface: USB				
	☐Painting area: 10*6 inches				
	☐Induction level: 8192 level				
	☐Reading speed: > 233 points/s				
	☐Voltage and Current: 5v <45mA				
	☐Compatible with the latest windows OS				
<b>47</b>	<b>HDMI Cable, 10m</b>	pc.	4	700.00	2,800.00
	☐10 meters				
	☐Nylon braided				
	☐1.4 version 3D support				
	☐Support all high resolutions including 480p, 720p, 1080p and 1180p.				
	☐Multi -channel digital audio with a 10.2 Gbps band-width				
	☐HDMI AV cable for HDTV				
	☐HDMI EMI/RFI Compliant Cable				
	☐24k GOLD plated HDMI plugs				
	☐ROHS compliant cable.				
<b>48</b>	<b>HDMI to HDMI cable</b>	piece	10	500.00	5,000.00
	☐chord 1.8 meter long;				
<b>49</b>	<b>Headphone, Professional, Studio Grade,</b>	unit	2	8,000.00	16,000.00
	☐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				
<b>50</b>	<b>Headset with Noise Cancelling Mic</b>	unit	5	1,800.00	9,000.00
	☐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				
<b>51</b>	<b>Heavy Duty Microphone Wire</b>	meters	16	71.00	1,136.00
	☐stereo 3 wires				
	☐coated silver wires				



	low noise reduction				
52	<b>Heavy Duty Office Printer, Scanner and Photocopier</b>	pcs	1	25,000.00	25,000.00
	Printer Type:				
	Print, Scan, Copy, Fax with ADF				
	Photo Default - 10 x 15 cm / 4 x 6 ":Approx. 69 sec per photo (Border) / 90 sec per photo (Borderless) *1Draft, A4 (Black / Colour):Up to 33 ppm / 15 ppm *1ISO 24734, A4 Simplex (Black / Colour):Up to 10 ipm / 5.0 ipm *1First Page Out Time from Ready Mode (Black / Colour):Approx. 10 sec / 16 sec *1				
	Copy Quality:Draft / Standard / Best QualityMaximum Copies from Standalone:99 copiesReduction / Enlargement:25 – 400 %, Auto Fit FunctionMaximum Copy Resolution:600 x 600 dpiMaximum Copy Size:LegalISO 29183, A4 Simplex Flatbed (Black / Colour):Up to 7.7 ipm / 3.8 ipm				
	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 / ADF (Simplex)):				
	200dpi, Black: 12 sec / 4.5 ipm				
	200dpi, Colour: 29 sec / 4.5 ipm				
53	<b>Ink, Black C13T05A100 for Epson Copier ProWF-C878R</b>	pack	1	8,000.00	8,000.00
54	<b>Ink, Brother BT5000C Cyan</b>	btls	25	500.00	12,500.00
55	<b>Ink, Brother BT5000M Magenta</b>	btls	25	500.00	12,500.00
56	<b>Ink, Brother BT5000Y Yellow</b>	btls	25	500.00	12,500.00
57	<b>Ink, Brother LC-539XL, Black</b>	pc	6	470.00	2,820.00
58	<b>Ink, Cartridge, LC535XL - Cyan, DCP-J100</b>	pc	4	400.00	1,600.00
59	<b>Ink, Cartridge, LC535XL - Magenta, DCP-J100</b>	pc	4	400.00	1,600.00
60	<b>Ink, Cartridge, LC535XL-Yellow, DCP-J100</b>	pc	4	400.00	1,600.00
61	<b>Ink, Continuous, refill, black BTD60 (BT DCP T310)</b>	btls	20	400.00	8,000.00
62	<b>Ink, Epson 003,Genuine Black 65mL</b>	btl	54	350.00	16,800.00
63	<b>Ink, EPSON 003,Genuine Cyan 65mL</b>	btl	29	350.00	8,400.00
64	<b>Ink, EPSON 003,Genuine Magenta 65mL</b>	btl	29	350.00	8,400.00
65	<b>Ink, EPSON 003,Genuine Yellow 65mL</b>	btl	29	350.00	8,400.00
66	<b>Ink, Epson, genuine, (BK) T664, 70 ml</b>	pieces	34	350.00	10,850.00
67	<b>iPad Air, 4th Gen 64GB</b>	piece	1	40,000.00	40,000.00
	4th Gen Retina, 64GB				
	Stunning 10.9-inch Liquid Retina display with True Tone and P3 wide color1				
	A14 Bionic chip with Neural Engine				
	Touch ID for secure authentication				
	12MP back camera, 7MP FaceTime HD front				



	camera				
	☑Wi-Fi 6 (802.11ax) only				
	☑Up to 10 hours of battery life				
	☑USB-C connector for charging and accessories				
	☑Compatible with existing Apple devices				
<b>68</b>	<b>Keyboard And Mouse Combo Bundle, USB powered</b>	set	7	600.00	4,200.00
	☑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				
<b>69</b>	<b>Labelling Printer</b>	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				
<b>70</b>	<b>Laptop 14" (i3)</b>	unit	3	38,000.00	114,000.00
	☑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				
<b>71</b>	<b>Laptop 14" (i5)</b>	unit	6	44,000.00	264,000.00
	☑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				



	<ul style="list-style-type: none"> <li>☐Video Processor: NVIDIA GeForce MX330 , with 2GB GDDR5 VRAM or higher</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Storage: 512GB PCIe Gen3 x2 SSD</li> </ul>				
<b>72</b>	<b>Laptop 14" (i5)</b>	unit	5	49,500.00	247,500.00
	<ul style="list-style-type: none"> <li>☐Processor: Intel Core i5-1035G1 Processor 1.0 GHz 6M Cache, up to 3.60 GHz or higher</li> <li>☐Operating system: Windows 10 Home</li> <li>☐Memory: 4GB memory, 1 x SO-DIMM socket (for expansion) or higher</li> <li>☐Display: 14.0" (16:9) LED-backlit FHD (1920x1080) 60Hz Anti-Glare Panel with 45% NTSC</li> </ul>				
	<ul style="list-style-type: none"> <li>☐Video Processor: NVIDIA GeForce MX330 , with 2GB GDDR5 VRAM or higher</li> <li>☐Storage: 512GB PCIe Gen3 x2 SSD</li> </ul>				
<b>73</b>	<b>Laptop Charger, Universal, 8-in-1</b>	pcs	5	1,000.00	5,000.00
	<ul style="list-style-type: none"> <li>☐Input voltage:AC110-AC240V 50/60Hz Auto-Volt</li> <li>☐Output wattage:96W</li> <li>☐Output volatges:12V/15V/16V/18V/19V/20V/24V Output current:(12V/15V/16V/18V/19V)4.5A,(20/24V) 4A, (USB)2.1A</li> <li>☐With Voltage indicator</li> <li>☐Output Tip A:Φ6.3xΦ4.0mm For Sony/Fujitsu/Samsung laptops.</li> <li>☐Output Tip B:Φ6.0xΦ3.0mm For Toshiba/NEC laptops.</li> <li>☐Output Tip C:Φ5.0xΦ2.5mm For Liteonit/Fujitsu/HP laptops.</li> <li>☐Output Tip D:Φ5.5xΦ2.1mm For Compaq laptops.</li> <li>☐Output Tip E:Φ5.5xΦ1.7mm For Sony/Acer laptops.</li> <li>☐Output Tip F:Φ4.8xΦ1.7mm For Asus laptops.</li> <li>☐Output Tip G:Φ4.0xΦ1.7mm For Sony/Asus/Acer laptops.</li> <li>☐Output Tip H:Φ3.5xΦ1.35mm For Sharp/Dell laptops.</li> </ul>				
<b>74</b>	<b>Laptop, 14" (i7)</b>	unit	5	60,000.00	300,000.00
	<ul style="list-style-type: none"> <li>☐Processor: Intel Core i7 10th generation or higher</li> <li>☐Graphics: NVIDIA GeForce MX250 at least 2GB GDDR5</li> <li>☐Memory: at least 8GB DDR4-2666</li> <li>☐Storage: at least 256GB SSD M.2 + 1TB HDD</li> <li>☐Display: 14" FHD (1920x1080) IPS 250 nits Anti-glare</li> <li>☐Touchscreen: None</li> <li>☐Optical: None</li> <li>☐Media Reader: 4-in-1 Card Reader</li> <li>☐Ethernet: None</li> <li>☐WLAN + Bluetooth</li> <li>☐Camera: at least 720p</li> <li>☐Microphone: at least 2x, Array</li> <li>☐Operating System: licensed Windows 10 or higher</li> <li>☐Bundled Software: Latest Microsoft Office Perpetual License</li> <li>☐Repair and replacement should be at most 3 month from returning the unit</li> </ul>				



	☐at least 3 years Warranty				
	☐FREE: Backpack				
<b>75</b>	<b>Laptop, 15.6", Intel Core i3 11th gen, 8 GB RAM, 256 GB SSD</b>	unit	1	32,500.00	32,500.00
	☐Intel Core i3 11th Gen or higher				
	☐Integrated Intel UHD Graphics				
	☐8GB Soldered DDR4-2666 or higher				
	☐256GB SSD M.2 PCIe NVMe or higher				
	☐15.6" FHD (1920x1080) TN 220 nits Anti-glare				
	☐WLAN + Bluetooth 11ac, 2x2 + BT5.0				
	☐Battery Integrated 35Wh or higher				
<b>76</b>	<b>Laptop, Intel Core i5 11th Gen, 15.6" FHD</b>	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				
<b>77</b>	<b>LCD Projector (XGA), 3LCD Technology</b>	unit	8	25,000.00	200,000.00
	☐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				
<b>78</b>	<b>LCD Projector SVGA (800x600)</b>	unit	9	25,000.00	225,000.00
	☐Projection System: 3LCD Technology, RGB liquid crystal shutter				
	☐Resolution: SVGA (800x600), 4:3				
	☐Light Output: 3,300 Lumen-2,050 Lumen (economy)				
	☐Contrast Ratio: 15,000:1				
	☐Lamp: 210 W				
	☐Lamp Hours: 6,000-10,000				
<b>79</b>	<b>LCD Projector, XGA (1024x768)</b>	unit	7	27,000.00	189,000.00
	☐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				
<b>80</b>	<b>Microsoft Office Home &amp; Student 2019, 1 Perpetual License, Medialess</b>	pcs	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				
<b>81</b>	<b>Monitor Desk Mount Stand, Full Motion Arm Gas Spring, for 22-32" Monitor</b>	pcs	3	3,000.00	9,000.00
	☐Suitable for 22"-32" LCD/Monitor				
	☐With air press structure, easy to move up/down				
	☐Rotate by 360,				
	☐Tilt up/down : 85°/-30°				
	☐Swivel : 180°				
	☐With cable system to hide the cables				
	☐VESA : 75/100MM				
	☐Include clamp base and grommet base				
	☐Grommet base suitable for hole diameter 10mm-50mm, desk thickness:20-90mm				
	☐Clamp base: desk thickness between 25-80mm				
<b>82</b>	<b>Mouse, Wired Optical, PS/2</b>	pc	20	210.00	4,200.00
	☐Ergonomic Design: Symmetric				
	☐Sensor : Optical				
	☐Type: Wired (PS2)				
	☐System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10				
	☐2 buttons + scrolling wheel optical mouse				
	☐Works on most surfaces				
	☐Microsoft system compatible				
	☐Resolution: 1000 DPI				
<b>83</b>	<b>Mouse, Wired, Optical, USB</b>	pieces	10	210.00	2,100.00
	☐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				
<b>84</b>	<b>Network Switch</b>	unit	1	15,000.00	15,000.00
	☐Standards: IEEE 802.3, 802.3u, 802.3x, 802.3ab, 802.3az				
	☐Number of Ports: 24 Gigabit				
	☐Speed: 10/100/1000				
	☐Bandwidth: 48 Gbps (non-blocking)				
	☐Performance: Full line rate and forwarding rate of 64B frame at: 1.488Mpps for 1000M port , 0.1488Mpps for 100M port, 0.01488Mpps for 10M port				



	☐Quality of Service: 802.1p and DSCP				
	☐MAC Address Table: 8K				
<b>85</b>	<b>Photography Light Soft Box Kit With Adjustable Tripod Stand</b>	pcs	1	1,000.00	1,000.00
	☐Opening size is 50cm * 70cm, with silver reflector inside and comes with front translucent cover.				
	☐High Quality Reflector Material.				
	☐Total Power: 45W				
	☐Color Temperature: 5500K				
	☐Bulb Voltage: 230V				
	☐Switch: On/Off				
	☐With 2.1M Adjustable Tripod Stand				
<b>86</b>	<b>Power supply for Panasonic camcorder</b>	pc	1	2,400.00	2,400.00
	☐Brand:Panasonic				
	☐Model: SAE0011				
	☐Color classification: black original Panasonic 12V3A white original Panasonic 12V3A				
<b>87</b>	<b>Power supply LED Video Light</b>	pc	1	2,000.00	2,000.00
	☐DC 15V Switch Power Supply Adapter				
	☐Input Voltage: AC100V-240V				
	☐Output Voltage: DC 15V				
	☐Output Current: 6A				
	☐Output Adaptor Jack size : 5.5mm x 2.5-2.1mm Compatible				
	☐Shell Material: Plastic				
<b>88</b>	<b>Power Supply, 300 watts, ATX w/ ATXcasing</b>	piece	1	1,200.00	1,200.00
<b>89</b>	<b>Power supply, 600 watts Bronze Certified</b>	piece	3	2,700.00	8,100.00
	☐ true rated, 600 watts power rating				
	☐ High quality capacitor				
	☐High efficiency with 80 PLUS certification, Bronze Certified				
	☐24/7 continuous power output with 40°C operating temperature				
	☐Class-leading single +12V rail				
	☐Active PFC Circuitry				
	☐PCI-E 8pin and PCI-E 6pin connector support				
	☐Silent running 120mm fan with 18dBA				
<b>90</b>	<b>Power Supply, 700W Generic</b>	pc	10	700.00	7,000.00
	☐Max Output: 700watts				
	☐Input Voltage: 180-240v				
	☐Current: 5A				
	☐ATX PSU				
<b>91</b>	<b>Printer, A3 Duplex All-in-One Ink Tank, Wi-Fi Direct</b>	pc	1	50,000.00	50,000.00
	☐Printer Type:Print, Scan, Copy, Fax with ADF				
	☐Print speed of up to 25.0 ipm				
	☐Ultra-high page yield of 7,500 pages (black) and 6,000 pages (colour)				
	☐Print Method: PrecisionCore Printhead				
	☐Minimum Ink Droplet Volume:3.8 pl				
	☐Print Direction: Bi-directional printing				
	☐Nozzle Configuration:800 x 1 nozzles Black, 256 x 1 nozzles per colour (Cyan, Magenta, Yellow)				
	☐Maximum Resolution:4800 x 2400 dpi				
	☐Automatic 2-sided Printing:Yes (up to A3)				
	☐Maximum Copy Size:A3				
	☐Copy Resolution:600 x 600 dpi				
	☐Scanner Type: Flatbed colour image scanner				



	☐Sensor Type: CIS				
	☐Optical Resolution:1200 x 2400 dpi				
	☐USB:USB 2.0				
	☐Network: Ethernet, Wi-Fi IEEE 802.11 b/g/n, Wi-Fi Direct				
	☐Network Protocol:TCP/IPv4, TCP/IPv6				
	☐Network Management Protocols:SNMP, HTTP, DHCP, BOOTP, APIPA, PING, DDNS, mDNS, Sntp, SLP, WSD, LLTD				
	☐LCD Screen:4.3" Colour LCD Touch Screen				
	☐ADF Support Paper Thickness:64-95 g/m2				
<b>92</b>	<b>Printer, computer, continuous ink system, 4-in-1 (Print, Scan, Xerox copy, Fax with ADF)</b>	unit	2	22,000.00	44,000.00
	☐Print Method: On-demand ink jet (piezoelectric)				
	☐Minimum Ink Droplet Volume:3 pl				
	☐Print Direction: Bi-directional printing, Uni-directional printing				
	☐Nozzle Configuration: 180 nozzles Black, 59 nozzles per colour (Cyan, Magenta, Yellow)				
	☐Maximum Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)				
	☐USB: USB 2.0				
	☐Network: Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct				
	☐Network Protocol: TCP/IPv4, TCP/IPv6				
<b>93</b>	<b>Printer, Ink tank system, 3-in-1</b>	piece	5	12,000.00	60,000.00
	Printer Type: Print, Scan, Copy				
	Print Method: On-demand inkjet (Piezoelectric)				
	Printer Language: ESC/P-R, ESC/P Raster				
	Scanner Type: Flatbed colour image scanner				
	Sensor Type:CIS				
	Optical Resolution:600 x 1200 dpi				
	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:No				
<b>94</b>	<b>Printer, Ink Tank, All-in-One, Wi-Fi Direct with ADF</b>	unit	2	22,000.00	44,000.00
	☐Print, Scan, Copy, Fax with ADF				
	☐Compact integrated tank design				
	☐High yield ink bottles				
	☐Spill-free, error-free refilling				
	☐Wi-Fi, Wi-Fi Direct				
	☐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:No				
	☐Scanner Type: Flatbed colour image scanner				
	☐Sensor Type: CIS				
	☐Optical Resolution:600 x 1200 dpi				
	☐Type Of Fax:Walk-up black-and-white and colour fax capability				
	☐Receive Memory / Page Memory:1.1 MB, Page memory up to 100 pages				
	☐USB:USB 2.0				
	☐Network:Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct				
	☐Network Protocol: TCP/IPv4, TCP/IPv6				



<b>95</b>	<b>Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)</b>	unit	2	11,000.00	22,000.00
	☐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				
<b>96</b>	<b>Professional USB Microphone</b>	pc	1	9,900.00	9,900.00
	☐Multiple pattern selection—cardioid, bidirectional, omnidirectional and stereo				
	☐Gain control, mute button,zero-latency headphone output				
	☐Power Required/Consumption: 5V 150mA				
	☐Sample Rate: 48 kHz				
	☐Bit Rate: 16-bit				
	☐Capsules: 3 Blue-proprietary 14mm condenser capsules				
	☐Polar Patterns: Cardioid, Bidirectional, Omnidirectional, Stereo				
	☐Frequency Response: 20Hz - 20kHz				
	☐Max SPL: 120dB (THD: 0.5% 1kHz)				
	☐Impedance: 16 ohms				
	☐Power Output (RMS): 130 mW				
	☐THD: 0.009%				
	☐Frequency Response: 15 Hz - 22 kHz				
	☐Signal to Noise: 100dB				
	☐Plug and play to Mac or PC				
<b>97</b>	<b>SD Card, 128 GB</b>	pcs	4	1,500.00	6,000.00
	☐Memory SD Card- 128 GB UHS-I SDXC				
	☐Card Type: SDXC				
	☐Storage Capacity: 128GB				
	☐Bus type: UHS-1				
	☐Data Transfer Read Speed: 140 MB/s Maximum (Burst)				
	☐Write speed: 90 MB/s maximum (Burst)				
	☐Write speed: 30 MB/s Minimum				
	☐Built-in Write Protect Switch				
	☐Durability: Shockproof, Temperature Extremes,				



	waterproof, X-ray Proof				
	☐Opening Temperature: -25 to 85C				
98	<b>SFP SC Transceiver Module 1.25G BIDI 20KM 1310/1550 (PAIR)</b>	pairs	3	900.00	2,700.00
99	<b>Solid State Drive, 1TB</b>	unit	2	7,000.00	14,000.00
	☐Storage Capacity: 1TB				
	☐Interface: SATA III 6GB/s				
	☐Type: 2.5in				
	☐Sequential Reading Speed: 545MB/s				
	☐Sequential Writing Speed: 430MB/s				
100	<b>Solid State Drive, at least 240 GB, 2.5" SATA III</b>	pc	65	2,000.00	130,000.00
	☐Capacity: 250GB				
	☐Interface: SATA III				
	☐Storage technology: 3D NAND				
	☐Sequential read speeds up to 560MB/s and sequential write speeds up to 530MB/s				
	☐An industry leading 1.75M hrs mean time to failure (MTTF) and up to 500 TBs written (TBW) for enhanced reliability				
101	<b>Solid State Drive, 500GB, 2.5" SATA III</b>	pcs	15	4,200.00	63,000.00
	☐Interface/Form factor :SATA 6gb/s 2.5-inch(7mm)				
	☐Sequential Read Speed: Up to 550MB/s				
	☐Sequential Write Speed: Up to 520MB/s				
	☐Random Read Speed: Up to 98K IOPS				
	☐Random Write Speed: Up to 90K IOPS				
	☐Operating Temperature: 0 - 70 C Operating Temperature				
102	<b>Speaker, for PC, 2.1 (Speaker with Subwoofer)</b>	pc	4	1,500.00	6,000.00
	☐Power Output : rms 4.5wx2 sw: 12w				
	☐Signal to noise ratio : 80dba				
	☐Frequency Response : 80hz~20khz (±6db)				
	☐R/I: 300±50mv sw: 100 ± 20mv				
	☐Aux/USB/SD card				
	☐Bass driver :4 inch				
	☐Treble driver :2 3/4 inch				
103	<b>SSD, NVMe 1TB</b>	piece	1	7,500.00	7,500.00
	☐Solid State Drive (SSD)				
	☐NVMe M.2				
	☐Up to 3500MB/s read speed				
	☐Up to 3300MB/s write speed				
	☐Up to 1200 TBW				
	☐Intelligent TurboWrite				
	☐Dynamic Thermal Guard				
	☐Interface: PCIe Gen 3.0 x 4, NVMe 1.3				
	☐V-NAND 3-bit MLC				
	☐Shock: 1,500 G & 0.5 ms (Half sine)				
	☐Form Factor: M.2 (2280)				
104	<b>Studio Photography Lighting Kit</b>	kit	1	10,000.00	10,000.00
	☐Light Power: 45W				
	☐Color Temperature: 3200K-6400K				
	☐Brightness: 0%-100%				
	☐Softbox size: 50*70cm/ 20*28in				
	☐Light standard material: Metal				
	☐Folded length: 67cm / 26.4 in				
	☐Max. Height: 200cm / 78.7 in				
	☐Power Adapter: inout voltage 100-240V				
	☐Kit includes:				
	☐2 x LED lights				
	☐2 x softboxes				



	☑2 x Light stands				
	☑2 x Power adapter				
	☑2 x Power cable				
	☑1 x Remote control				
	☑1 x Carry bag				
<b>105</b>	<b>Tablet Computer, 8", 32GB ROM</b>	pieces	5	9,500.00	47,500.00
	☑Display Size 8.0"				
	☑OS Android 9.0 (Pie)				
	☑Battery: 5100mAh				
	☑RAM: 2GB				
	☑ROM: 32GB				
	☑External Memory Support: MicroSD Up to 512GB				
	☑Card slot microSDXC (dedicated slot)				
	☑Chipset Qualcomm SDM429 Snapdragon 429 (12 nm)				
	☑CPU Quad-core 2.0 GHz Cortex-A53				
	☑GPU Adreno 504				
	☑SIM Nano-SIM				
	☑Rear Camera Flash: No				
	☑Video Recording Resolution: FHD(at least 1340 x 800) @30fps				
	☑OS: Android 9.0 (Pie)				
<b>106</b>	<b>Toner cartridge for HP Laserjet 107a , (W1107A)</b>	pcs	10	5,000.00	50,000.00
<b>107</b>	<b>Ubiquiti Unifi 8 Port PoE+150W SFP Switch</b>	pc	2	12,000.00	24,000.00
	☑Switching Capacity: 20Gbps				
	☑Forwarding Rate: 14.48Mbps				
	☑Power Method: 100-240VAC/50-60Hz, Universal Input				
	☑Power Supply: AC/DC, Internal, 150 W DC				
	☑LED Per Port: RJ45 Data Ports: PoE				
	☑Compatible with existing fleet				
<b>108</b>	<b>Universal HDMI to VGA Adapter Cable, at least 1.8 meters</b>	unit	4	300.00	1,200.00
	☑Universal HDMI to VGA Adapter Cable				
<b>109</b>	<b>UPS</b>	unit	5	7,000.00	35,000.00
	☑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				
<b>110</b>	<b>UPS (6 sockets), 1200W-2000VA Single Phase Line - Interactive with stabilizer</b>	unit	10	12,000.00	120,000.00
	☑1200W-2000VA				
	☑microprocessor - based digital control				
	☑wide input voltage and frequency range				
	☑input voltage 220/230/240 Vac 1 Phase 50hz/6-Hz				
	☑Output voltage 220/230/240 Vac 1 Phase 50hz/6-Hz				
	☑Overload & short circuit protection\				
	☑AVR boost and buck				
	☑Fastest charging capacity				
	☑Auto charging at off mode				



	☐with AC fuse and input				
	☐Lasts up to 12 to 14 minutes w/ 1 PC at 180W connected to it				
	☐6 output pockets				
	☐1 Year product warranty				
<b>111</b>	<b>UPS 800W ( for Computer)</b>	unit	1	5,000.00	5,000.00
	☐Charging time: At most 4 hours				
<b>112</b>	<b>UPS, 1200 VA, with Multifunction LCD status and control console</b>	unit	1	11,500.00	11,500.00
	☐Max Configurable Power (Watts): 720 Watts / 1.2kVA				
	☐Output Frequency (sync to mains): 50/60 Hz +/- 1 Hz Unsynchrosed, 50/60 Hz +/- 3 Hz Sync to mains				
	☐Topology: Line interactive				
	☐Waveform type: Stepped approximation to a sinewave				
	☐Transfer Time: 10 ms typical - 12 ms maximum				
	☐Input frequency: 50/60 Hz +/- 3 Hz Auto-sensing				
	☐Input voltage range for main operations: 156 - 300 Adjustable, 176 - 294V				
	☐Battery type: Lead-acid battery				
	☐Typical recharge time: 8hour(s)				
	☐Expected Battery Life (years): 3 - 5				
	☐Battery Charge Power (Watts): 23 Watts				
	☐Interface Port(s): Optional Simple Signalling RS232 cable, USB				
	☐Control panel: Multifunction LCD status and control console				
	☐Surge energy rating: 441Joules				
	☐Data Line Protection: RJ11 modem/fax/DSL protection (two wire single line), RJ45 10/100 Base-T Ethernet protection				
	☐Approvals: GOST				
	☐RoHS: Compliant				
<b>113</b>	<b>UPS, at least 800 watts</b>	unit	3	5,000.00	15,000.00
	☐Recharging Time: at most 4 Hours				
<b>114</b>	<b>UPS, Smart UPS, 2000VA</b>	pc	1	35,000.00	35,000.00
	☐Max Configurable Power (Watts): 1.6kWatts / 2.0kVA				
	☐Output Voltage Note: Configurable for 220 : 230 or 240 nominal output voltage				
	☐Efficiency at Full Load: 88.0 %				
	☐Output Frequency (sync to mains): 50/60 Hz +/- 3 Hz Sync to mains				
	☐Other Output Voltages: 220 V, 240 V				
	☐Load Crest Factor: 3 : 1				
	☐Topology: Double conversion online				
	☐Input frequency: 40 - 70 Hz				
	☐Input voltage range for main operations: 110 - 285 Adjustable (half load), 160 - 280V				
	☐Number of Power Cords: 1				
	☐Efficiency at Full Load: 88.0 %				
	☐Other Input Voltages: 220 V, 240 V				
	☐Waveform type: Sine wave				
	☐Bypass: Internal bypass (automatic and manual)				
	☐Battery type: Lead-acid battery				
	☐Typical recharge time: 4hour(s)				



	☑Battery Charge Power (Watts): 76 Watts				
	☑Interface Port(s): DB-9 RS-232, USB				
	☑Control panel: Multifunction LCD status and control console				
	☑Audible Alarm: Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm				
	☑Surge energy rating: 600Joules				
<b>115</b>	<b>USB 3.0 Hub, 7 Ports</b>	unit	1	1,500.00	1,500.00
	☑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				
<b>116</b>	<b>USB Hub, USB type C to USB 3.0, VGA, HDMI, PD 87W, USB-C</b>	pcs	7	1,400.00	9,800.00
	☑Interface includes: 3 x USB 3.0, VGA, HDMI, PD 87W, USB-C				
	☑Transmission speed: 5gbps				
	☑Resolution: 4K@30Hz (HDMI)/1080P@60Hz (VGA) / 1080P@60Hz (Simultaneous output)				
	☑Rated power: 87W				
	☑Shielding: Aluminum Foil + Metal Braided				
	☑Jacket: PVC				
<b>117</b>	<b>Webcam, High Definition with Noise Cancelling Mics</b>	pc	1	5,000.00	5,000.00
	☑Max Resolution: 1080p/30 fps - 720p/ 60 fps				
	☑Camera mega pixel: 3				
	☑Focus type: Autofocus				
	☑Lens type: Glass				
	☑Built-in mic: Stereo				
	☑Mic range: Up to 3 ft (1 m)				
	☑Diagonal field of view (dFoV): 78°				
	☑Digital zoom: 1.2x				
	☑Tripod-ready universal mounting clip fits laptops, LCD or monitors				
	☑Auto Light Correction: RightLight 2				
	☑Noise Cancelling Mic(s): 2 omni-directional mics				
	☑Connection: USB-A plug-and-play				
<b>118</b>	<b>Webcam, QHD 2k (2560 x 1440)</b>	pc	1	3,000.00	3,000.00
	☑Lens: Type Hybrid Lens				
	☑Focus Type: Fixed				
	☑Field of View: 85 degrees				
	☑Video Encoding H.264				
	☑Video Resolution: up to 2560 x 1440				
	☑Built-in omni-directional microphone, Noise Canceling Mics				
	☑Auto Light Correction: Yes				
	☑Interface USB 2.0				
<b>119</b>	<b>Window speaker intercom system</b>	pcs	3	3,300.00	9,900.00
	☑Dual-way anti-interference intercommunication				
	☑Connection cable length: at least 8m / 26.25ft				





	<ul style="list-style-type: none"> <li>☐Working voltage: DC12V / 500mA</li> <li>☐Adapter: AC 110/220V 50/60Hz</li> <li>☐Main sound (sub sound): 3W+3W</li> <li>☐Microphone sensitivity: -48db 20Hz-16KHz</li> <li>☐Material: aluminum alloy shell</li> </ul>				
<b>120</b>	<b>Wireless Access Point</b>	unit	<b>4</b>	<b>12,375.00</b>	<b>49,500.00</b>
	<ul style="list-style-type: none"> <li>☐Networking Interface (1) 10/100/1000 Ethernet Port</li> <li>☐Buttons Reset</li> <li>☐Power Method 802.3af PoE</li> <li>☐Power Supply UniFi Switch (PoE)</li> <li>☐Power Save Supported</li> <li>☐Beamforming Supported</li> <li>☐Maximum Power Consumption 10.5W</li> <li>☐Supported Voltage Range 44 to 57VDC</li> <li>☐TX Power</li> <li>☐2.4 GHz</li> <li>☐5 GHz</li> <li>☐23 dBm</li> <li>☐26 dBm</li> <li>☐MIMO</li> <li>☐2.4 GHz</li> <li>☐5 GHz</li> <li>☐2x2</li> <li>☐4x4</li> <li>☐Radio Rates</li> <li>☐2.4 GHz</li> <li>☐5 GHz</li> <li>☐300 Mbps</li> <li>☐1733 Mbps</li> <li>☐Antennas</li> <li>☐2.4 GHz</li> <li>☐5 GHz</li> <li>☐(2) Single-Port, Single-Polarity Antennas, 2.8 dBi each</li> <li>☐(2) Single-Port, Dual-Polarity Antennas, 3 dBi each</li> <li>☐Wi-Fi Standards 802.11 a/b/g/n/r/k/v/ac/ac-wave2</li> <li>☐Wireless Security WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES), 802.11w/PMF</li> <li>☐BSSID 8 per Radio</li> <li>☐Mounting Wall/Ceiling (Kits Included)</li> <li>☐Operating Temperature -10 to 70° C (14 to 158° F)</li> <li>☐Operating Humidity 5 to 95% Noncondensing</li> <li>☐Certifications CE, FCC, IC</li> <li>☐Advanced Traffic Management</li> <li>☐VLAN 802.1Q</li> <li>☐Advanced QoS Per-User Rate Limiting</li> <li>☐Guest Traffic Isolation Supported</li> <li>☐WMM Voice, Video, Best Effort, and Background</li> <li>☐Concurrent Clients 200+</li> <li>☐Supported Data Rates (Mbps)</li> <li>☐Standard Data Rates</li> <li>☐802.11a 6, 9, 12, 18, 24, 36, 48, 54 Mbps</li> <li>☐802.11n 6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)</li> <li>☐802.11ac 6.5 Mbps to 1.7 Gbps (MCS0 - MCS9</li> </ul>				



	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				
	☐Should be compatible with existing UniFi Controller				
<b>121</b>	<b>Wireless Microphone System, 2.4G Receiver Transmitter Kit, Lavalier Microphone</b>	pcs	<b>4</b>	<b>5,000.00</b>	<b>20,000.00</b>
	☐Compatible with computers, digital / SLR cameras, camcorders, voice recorders, tablets, and mobile phones				
	☐Built-in lithium battery, charging with USB 5V;				
	☐Input and output interface: 3.5mm TRS				
	☐Both the receiver and the transmitter use a high-brightness OLED display;				
	☐Transmission frequency band: 2400MHz ~ 2483.5MHz				
	☐Modulation method: frequency hopping / digital FSK (GFSK)				
	☐Transmit power: 10dBm				
	☐Receiving sensitivity: -86dBm				
	☐Antenna method: Built-in F type antenna				
	☐Microphone pickup method: omnidirectional (built-in microphone and external lavalier)				
	☐Audio frequency response: 100Hz ~ 20KHz ± 3dB				
	☐Dynamic range: 90dB (electrical performance)				
	☐Signal to noise ratio: 97dB (A weighted)				
	☐Maximum input voltage: 97dB SPL				
	☐Display mode: OLED display, showing battery power, current RF, AF status				
	☐Power requirements: built-in lithium battery, standard USB 5V charging via TYPE-C interface				
	☐Battery life:> 7 hours				
<b>122</b>	<b>Wireless Mini Microphone with Charging Case</b>	unit	<b>1</b>	<b>6,000.00</b>	<b>6,000.00</b>
	☐Transmission Type: 2.4GHz				
	☐Polar Pattern: Omnidirectional				
	☐Frequency Response: 20Hz-20KHz (±3dB)				
	☐Distortion: < 0.1%				
	☐Sampling Rates: 48kHz				
	☐Bit Depth: 16Bit				
	☐Signal-to noise ratio: 75db or more				
	☐Sensitivity: -42dB±3dB (1dB=1V/Pa @1kHz)				
	☐Operating Distance: 20m(without obstacle)				
	☐Power Consumption: TX: 80mW RX: 60mW				
	☐Working Time:				
	☐TX: 4.5 hours * two times				
	☐RX: 8 hours * two times				
	☐Charing Time:				
	☐TX:2 hours				
	☐RX:2 hours				
	☐Charging Case: 2 hours				
	☐Charging Port(Charging Case): Type-C				
	☐Battery Capacity:				
	☐TX:100mA				
	☐RX:100mA				
	☐Charging Case: 1000m				



123	<b>Wireless Optical Mouse</b>	pcs	6	1,000.00	6,000.00
	<ul style="list-style-type: none"> <li>▣Adjustable 500/1000 DPI high-definition tracking engine</li> <li>▣Reliable 2.4GHz wireless connection, perfect for anti-jamming</li> <li>▣Supports 4D scroll wheel and optical buttons No installation software or drivers required: plug and play</li> <li>▣Powered by AA alkaline batteries, you can use this mouse with only one battery</li> </ul>				
124	<b>Laptop 14" , Ryzen 5, 8GB RAM, 512 GB SSD,MIL-STD-810G</b>	unit	1	50,000.00	50,000.00
	<ul style="list-style-type: none"> <li>▣Processor: AMD Ryzen™ 5 5500U Processor (2.10 GHz up to 4.00 GHz) or higher</li> <li>▣Operating System: Windows 10 Pro 64 preinstalled through download rights in Windows 11 Pro 64</li> <li>▣Display Type: 14" FHD (1920 x 1080), IPS, Anti-Glare, Non-Touch, 300 Nits</li> <li>▣Memory: 8 GB DDR4-3200MHz or higher</li> <li>▣Hard Drive: 512 GB SSD PCIe Gen3/4 or higher</li> <li>▣Durability: Must pass MIL-STD-810G military testing</li> <li>▣AC Adapter: 65W USB-C</li> <li>▣Graphics: Integrated AMD Radeon™ Graphics</li> <li>▣Battery: 3 Cell, 57Wh</li> <li>▣Camera: 720P HD with Privacy Shutter</li> <li>▣Fingerprint Reader: Fingerprint Reader</li> <li>▣Keyboard: Backlit - English</li> <li>▣Wireless: 11AX (2x2) &amp; Bluetooth® 5.2</li> </ul>				
125	<b>Desktop Computer (i7) Branded, with 24" FHD IPS Monitor</b>	unit	1	100,000.00	100,000.00
	<ul style="list-style-type: none"> <li>▣Processor Type: Intel Core i7 (2.1 GHz base frequency, up to 4.9 GHz with Intel Turbo Boost Technology, 25 MB L3 cache, 12 cores, 20 threads) or higher</li> <li>▣Memory: 16 GB DDR4-3200 SDRAM (1 x 16 GB) or higher</li> <li>▣Hard Drive: 512 GB PCIe NVMe M.2 SSD; 1 TB 7200 rpm SATA HDD</li> <li>▣OS: Windows 11</li> <li>▣"Expansion Slot: 2 x PCI Express Slots (1 x PCI-Ex16 , 1 x PCI-Ex1 ), 2 x M.2 Expansion Slots (1 for SSD; 1 for WLAN)", Expansion Bay: HDD 3.5" x 2 (or HDD 3.5" x 1 + HDD 2.5" x1) + 9.5mm slim ODD x 1</li> <li>▣Monitor: 24" FHD IPS Monitor</li> <li>▣Graphics: NVIDIA GeForce GTX 1660 SUPER (6 GB GDDR6 dedicated)</li> <li>▣Power Supply: 350 W 80 Plus Gold certified power supply</li> <li>▣Keyboard &amp; Mouse: Wireless Keyboard and mouse combo</li> <li>▣LAN: Integrated 10/100/1000 GbE LAN</li> <li>▣"WLAN: Realtek Wi-Fi 6 (2x2) and Bluetooth 5.2 combo (Supporting Gigabit data rate) MU-MIMO supported " Bluetooth: YES</li> <li>▣Ports: Front: 2 SuperSpeed USB Type-A 5Gbps</li> </ul>				



	signaling rate; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-C 5Gbps signaling rate; Rear: 4 USB 2.0 Type-A				
	☑Speakers:				
	◀ Single USB cable for computers and laptops   enjoy a hassle-free Audio experience with a single USB cable without the need for a power adapter				
126	<b>Desktop Computer, with Monitor, Core i5 12th Gen, 8GB RAM, Assembled</b>	sets	2	49,000.00	98,000.00
	☑Processor: 12th Generation Intel® Core™ i5-12400 Processor(2.50 GHz up to 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				
127	<b>Monitor, 27" IPS, 4K (3840 x 2160)</b>	unit	1	20,000.00	20,000.00
	☑Size: 27"				
	☑Display Type: IPS				
	☑Display Resolution: 4K UHD				
	☑Color Gamut (Typ.): sRGB 98% (CIE1931)				
	☑Color Depth(Number of Colors): 1.07B				
	☑Pixel Pitch(mm): 0.1554 x 0.1554 mm				
	☑Response Time: 5ms (GtG at Faster)\				
	☑Refresh Rate: 60Hz				
	☑Aspect Ratio: 16:9				
	☑Resolution: 3840 x 2160				
	☑Brightness: 300cd (typ) / 240cd (Min)				
	☑Contrast Ratio: 700:1 (Min.), 1000:1 (Typ.)				
	☑Viewing Angle: 178°(R/L), 178°(U/D)				
	☑Surface Treatment: Anti Glare, 3H				
	☑HDMI: Yes x 2				
	☑DisplayPort: Yes x 1				
	☑Headphone Out: Yes				
128	<b>Apple iPad 10.9 Wifi</b>	unit	1	49,900.00	49,900.00
	☑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				
129	<b>Apple Magic Keyboard for iPad Pro 11-inch (4th generation) and iPad Air (5th generation)</b>	unit	1	21,000.00	21,000.00



	☑Comfortable backlit keys and a scissor mechanism with 1mm travel for quiet, responsive typing.				
	☑Designed for Multi-Touch gestures and the cursor in iPadOS.				
	☑Smooth angle adjustability delivers the perfect viewing angle.				
	☑USB-C port for charging iPad Pro and iPad Air, freeing up the port on the iPad for other accessories.				
	☑Folds into a case to provide front and back protection for travelling with iPad Pro and iPad Air.				
	☑Compatible with existing Apple Devices				
<b>130</b>	<b>E-ink eBook Reader for MOBI &amp; AZW eBook Testing &amp; Production</b>	unit	1	15,000.00	15,000.00
	☑Display: 7", 300 ppi flush-front e-ink technology				
	☑Adjustable screen light from: white to amber				
	☑Waterproof (IPX8)				
	☑Thin and light ergonomic design with page turn buttons				
	☑Compatible with MOBI and AZW ebook formats				
	☑WiFi Connectivity				
	☑USB 2.0 charging port				
<b>131</b>	<b>Ink, Epson, genuine (C) T664, 70 ml</b>	btls	13	350.00	4,550.00
<b>132</b>	<b>Ink, Epson, genuine (M) T664, 70 ml</b>	btls	13	350.00	4,550.00
<b>133</b>	<b>Ink, Epson, genuine, (Y) T664, 70 ml</b>	btls	18	350.00	6,300.00
<b>134</b>	<b>Laptop, 14" Core i5 11th Gen</b>	unit	1	55,000.00	55,000.00
	☑Intel Core i5-1135G7 Processor or higher				
	☑8GB DDR4-3200 Memory or higher				
	☑512GB M.2 NVMe PCIe 3.0 SSD or higher				
	☑14" FHD 1920x1080 IPS Display				
	☑NVIDIA GeForce MX330 2GB GDDR5 V RAM				
	☑802.11AC WiFi + BT				
	☑HDMI Port				
	☑USB 3.2 Gen 1 Type-C Support				
	☑Genuine Windows 10				
<b>135</b>	<b>Printer, Ink Tank, Print Only</b>	units	5	8,000.00	40,000.00
	☑Printing Technology: On-demand inkjet (Piezoelectric)				
	☑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				
	☑Compact integrated tank design				
	☑High yield ink bottles				
	☑Spill-free, error-free refilling				
	☑Borderless printing up to 4R				
<b>136</b>	<b>Web Camera for Laptop and Desktop</b>	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				
<b>137</b>	<b>CPU (Central Processing Unit), Assembled</b>	unit	1	15,000.00	15,000.00
	☐AMD A10-8770 Processor				
	☐Motherboard compatible with the processor				
	☐Kingston 4GB DDR4-2666 Memory				
	☐CPU Casing w/ PSU				
	☐256GB SSD				
<b>138</b>	<b>Laptop 14", 2-in-1 Convertible, Intel Core i7 12th Gen</b>	unit	2	77,000.00	154,000.00
	☐Type: 2-in-1 convertible (360 degree hinge)				
	☐Processor: 12th Generation Intel® Core™ i7-1260P Processor or higher				
	☐Operating System: Windows 11 Home 64				
	☐Memory: 16 GB LPDDR5 4800MHz Dual Channel or higher				
	☐Storage: 512 GB SSD M.2 2280 PCIe Gen4 TLC or higher				
	☐Display Type: 14" 2.8K (2880 x 1800), IPS, Anti-Glare, Touch, 100% sRGB, 400 Nits, 90Hz, Narrow Bezel				
	☐Graphics: Intel® Iris®Xe graphics or higher				
	☐AC Adapter: 65W AC Adapter Wall Mount (USB Type C)				
	☐Camera: 1920 x 1080 FHD IR				
	☐Wireless: Wifi 11AX (2x2) & Bluetooth® 5.0				
	☐Keyboard: Backlit - English				
	☐Battery: 4 Cell, 61Wh				
<b>139</b>	<b>Microsoft Office 2021 Professional Plus Perpetual License</b>	unit	2	7,000.00	14,000.00
	☐Includes Classic 2021 versions of Word, Excel, PowerPoint, and Outlook, plus Publisher Access and Team				
	☐You will receive a License Key Card inside a Sealed Box				
	☐The License is Perpetual / No Expiration.				
	☐This is One-time purchase for 1 PC				
	☐Compatible with Windows 11 and Windows				
	☐Works with Microsoft Teams				
<b>140</b>	<b>Ubiquiti 24 Ports PoE+ Switch + 4 ports SFP+Unfi Switch</b>	unit	2	48,000.00	96,000.00
	☐The Switch 24 PoE (USW 24 PoE) is a fully managed switch with (24) GbE RJ45 ports, including (16) GbE, PoE+ ports, and (2) 1G SFP ports.				
	☐The versatile USW 24 PoE provides Gigabit PoE links to Ethernet devices while also supplying Gigabit fiber uplink options fit for an enterprise network.				
	☐The switch also offers an extensive suite of Layer 2 switching protocols, including port-specific operation modes (switching, mirroring, or aggregate), and				
	☐features a 1.3" LCM color touchscreen that concisely displays key system and connection insights.				
	☐Compatible with the Existing fleet				
<b>141</b>	<b>Ubiquiti Unifi HD Access Point 802.11 AC Wave 2 MU-MIMO Indoor (UAP-AC-HD)</b>	unit	3	25,000.00	75,000.00
	☐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"> <li>■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</li> </ul>				
	■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"> <li>■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</li> </ul>				
	■Should be compatible with the existing fleet of Unifi Access Points and Controller				
<b>142</b>	<b>Arduino Laboratory Kit</b>	sets	3	2,500.00	7,500.00
	Package List:				
	Arduino UNO R3				
	1 x RFID reader module DS1302 clock module				
	1 x 5v step motor				
	1 x Step motor 2003 drive board				
	10 x Green LED				
	10 x Yellow LED				
	10 x Red LED				
	2 x Rocker switch				
	1 x Flame sensor				
	1 x LM35 sensor module				
	1 x Infrared receiver				
	3 x Light dependent resistors				
	1 x Remote controller				
	1 x Breadboard				
	4 x Push button ( with four cap )				
	1 x Buzzers				
	1 x Piezo sounders				
	1 x Adjustable resistor				
	1 x 74hc595				
	1 x 1 digital tube				
	1 x 4 digital tube				
	1 x 8*8 Dot matrix digital tube				
	1 X I2C 1602 LCD				
	1 x DHT11 Temperature and humidity module				
	1 x Relay module				
	1 x Sound module				
	20 x Dupont line (20cm)				
	30 x Bread board cable (15cm)				



	1 x Water sensor 1 x USB cable (57cm)				
	1 x PS2 Joystick				
	10x 1K resistors				
	10 x 10k resistor				
	10 x 220R resistors				
	1 x 4 * 4 keypad module				
	1 x 9g Sero(25cm)				
	1 x RFID card				
	1 x RGB module				
	2 x Jump cap				
	1 x 2.54 Pin head				
	1 x 9V Battery DC Jack				
<b>143</b>	<b>Crimper for RJ 45, Pass Through for CAT5, CAT6 UTP Cable</b>	pcs	2	1,500.00	3,000.00
	<ul style="list-style-type: none"> <li>■ Professional crimp tool crimps, strips and cuts cable for 6 and 8 position modular plugs/connectors for your variety of network needs.</li> <li>■ The crimp tool offers reliable, easy-to-use and affordable solution to meet immediate cutting needs.</li> <li>■ This user friendly device works with any Ethernet or telephone cable.</li> <li>■ Compact design with easy handle hand grips.</li> <li>■ Built-in cutter and stripper function.</li> <li>■ <b>**Ratcheting Modular Crimper**</b></li> <li>■ It has a ratchet mechanism to keep tool closed when not in use.</li> <li>■ The Ratcheting Modular Crimper/Stripper is durably made from high-carbon steel for high performance.</li> <li>■ It helps provide fast, reliable modular-crimp connector installation for RJ45 voice and data applications.</li> <li>■ Cuts, Strips and Crimps Twisted Pair, Ethernet, RJ45 Voice and Data Cables.</li> </ul>				
<b>144</b>	<b>Ethernet Switch, 48-Port Gigabit Rackmount</b>	units	2	18,000.00	36,000.00
	48 10/100/1000Mbps RJ45 ports				
	Innovative energy-efficient technology saves power consumption				
	Supports MAC address self-learning and auto MDI/MDIX				
	Standard 19-inch rack-mountable steel case				
	Standards and Protocols IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x				
	Interface 48 10/100/1000Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX)				
	Network Media 10BASE-T: UTP category 3, 4, 5 cable (maximum 100m)				
	100BASE-TX/1000BASE-T: UTP category 5, 5e or above cable (maximum 100m)				
	Physical Security Lock No				
	Switching Capacity 96Gbps				
	Packet Forwarding Rate 71.4Mpps				
	MAC Address Table 16K				
	Buffer Memory 12Mb				
	Jumbo Frame 12KB				
	Transfer Method Store-and-Forward				
	Certification FCC, CE, RoHS				





145	<b>Ink, Epson 001, Genuine Magenta 70ml, SKU: C13T03Y300</b>	pcs	5	350.00	1,750.00
146	<b>Ink, Epson 001, Genuine Yellow 70ml, SKU: C13T03Y400</b>	pcs	5	350.00	1,750.00
147	<b>Ink, Epson 001, SKU: Genuine Cyan 70ml, SKU: C13T03Y200</b>	pcs	5	350.00	1,750.00
148	<b>Ink, Epson, 001, Genuine Black 127ml, C13T03Y100</b>	pcs	5	650.00	3,250.00
<b>148 a</b>	<b>Printer, Wi-Fi Duplex All-in-One Ink</b>	pcs	2	16,000.00	32,000.00
	<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>				
	<i>LCD Screen:1.44" Colour LCD Screen</i>				
149	<b>Wifi 5 Mesh Router</b>	unit	1	5,000.00	5,000.00
	<i>Wi-Fi 5: IEEE 802.11ac/n/a 5 GHz, IEEE 802.11n/b/g 2.4 GHz</i>				
	<i>AC1300: 5 GHz: 867 Mbps (802.11ac), 2.4 GHz: 400 Mbps (802.11n)</i>				
	<i>Mesh Technology</i>				
	<i>4x Antennas (Internal)</i>				
	<i>Beamforming</i>				
	<i>Qualcomm 717 MHz Quad-core CPU</i>				
	<i>Supports WAN/LAN auto-sensing</i>				
	<i>WPA-Personal</i>				
	<i>WPA2-Personal</i>				
	<i>Certification: CE, FCC, IC, NCC, BSMI, IDA, RCM, JPA, JRF, VCCI, KC, RoHS</i>				
150	<b>Antivirus Software 3 Device, 1+1 Year License include VPN (enrolled auto-renewal)</b>	pc	1	2,000.00	2,000.00
	<i>Antivirus Software keeps your PC/Laptop/Mobile device safe from Trojans, viruses, spyware, rootkits, and more, with state-of-the-art anti-malware protection</i>				
	<i>Detects, quarantines, and blocks viruses and malware to prevent damage to your PC/Laptop</i>				
	<i>Keep zero-day threats and botnets at bay - McAfee Active Protection and Global Threat Intelligence technology have you covered</i>				
	<i>Block inappropriate sites</i>				
	<i>Two-Way Firewall system monitors and stops traffic in and out of your PC</i>				
	<i>Keep sensitive files private by storing them on your PC with 128-bit encryption</i>				
	<i>Eliminate the hassle of passwords with the password manager app</i>				
151	<b>Desktop Computer (i7), Assembled, No Monitor</b>	unit	1	50,000.00	50,000.00
	<i>Processor: Intel Core 9700F or higher</i>				
	<i>Motherboard Intel H310 Ultra Durable</i>				



	motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1151 or higher				
	Memory: 16GB DDR4 2400 DIMM Desktop Memory or higher				
	SSD: 500GB				
	Video Card: Nvidia GTX 1650 or higher				
	Casing with Power Supply				
	Operating System: Genuine Windows 10 Home (OEM)				
<b>152</b>	<b>Laptop, 14" (i7)</b>	sets	1	60,000.00	60,000.00
	Branded 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 250 nits Anti-glare				
	Media Reader: 4-in-1 Card Reader				
	Ethernet: None				
	WLAN + Bluetooth Camera: at least 720p				
	Microphone: at least 2x, Array				
	Operating System: licensed Windows 11				
	Bundled Software: Microsoft Office Perpetual License				
	Repair and replacement should be at most 3 month from returning the unit at least 3 years Warranty with FREE: Backpack				
<b>153</b>	<b>CCTV IP Camera</b>	pcs	2	3,192.00	6,384.00
	2MP WDR, with Built-in Mic				
	12v, DC				
	30m IR range,				
	1920x1080 Max. Resolution				
	Dome Type				
	2.8/4mm fixed lens				
<b>154</b>	<b>Desktop Computer (i7), 11th Gen, 8GB RAM</b>	unit	1	45,000.00	45,000.00
	Processor: Intel® Core™ i7-11700 or higher				
	Chipset: Intel®H510 with ultra durable 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				
<b>155</b>	<b>2021 Arduino MEGA 2560 R3 Microcontroller Board with USB Cable Arduino Compatible Motherboard ATMEGA</b>	sets	2	1,800.00	3,600.00
	2021 Latest Model Arduino MEGA 2560 Microcontroller Motherboard Comes with Free 40CM USB Data Cable Clock Speed:16 MHz EEPROM:4 KB SRAM:8 KB Flash Memory:256 KB of which 8 KB used by bootloader Operating				



	Voltage:5V Input Voltage:7-12V Analog Input Pins:16 Digital I/O Pins:54 (of which 14 provide PWM output) DC Current for 3.3V Pin:50 mA DC Current per I/O Pin:40 mA				
<b>156</b>	<b>Compact Underwater Digital Camera</b>	unit	1	32,000.00	32,000.00
	☐Type: Compact digital camera				
	☐Waterproof: JIS/IEC protection class 8 (IPX8) equivalent (under our testing conditions), Capacity to shoot images underwater up to a depth of 30 m (100 ft) and for 60 minutes				
	☐Dustproof: JIS/IEC protection class 6 (IP6X) equivalent (under our testing conditions)				
	☐Shockproof: Cleared our testing conditions4 compliant with MIL-STD 810F Method 516.5-Shock				
	☐Effective pixels: 16.0 million (Image processing may reduce the number of effective pixels.)				
	☐Image sensor: 1/2.3-in. type CMOS, Total pixels: approx. 16.79 million				
	☐F-number: f/2.8 to 4.9				
	☐Lens construction: 12 elements in 10 groups				
	☐Magnification: Up to 4x (angle of view equivalent to that of approx. 480 mm lens in 35 mm [135] format)				
	☐Vibration reduction: Lens shift and electronic VR				
	☐Autofocus: Contrast-detect AF				
	☐Storage media: SD, SDHC, SDXC, Internal memory (approx. 99 MB)				
	☐File system: DCF and Exif 2.31 compliantStorage file formats: Still images: JPEG, Movies: MP4 (Video: H.264/MPEG-4 AVC, Audio: AAC stereo),				
	☐Image size (pixels): 16 M (High) 4608 x 3456, 16 M 4608 x 3456, 8 M 3264 x 2448, 4 M 2272 x 1704, 2 M 1600 x 1200, VGA 640 x 480, 16:9 12 M 4608 x 2592, 1:1 3456 x 3456				
<b>157</b>	<b>Laptop, 15.6", Intel Core i3 11th gen, 8 GB RAM, 256 GB SSD</b>	unit	1	40,000.00	40,000.00
	☐Intel Core i3 11th Gen or higher				
	☐Integrated Intel UHD Graphics				
	☐8GB Soldered DDR4-2666 or higher				
	☐256GB SSD M.2 PCIe NVMe or higher				
	☐15.6" FHD (1920x1080) TN 220nits Anti-glare				
	☐WLAN + Bluetooth 11ac, 2x2 + BT5.0				
	☐Battery Integrated 35Wh or higher				
<b>158</b>	<b>Laser Printer Color (Print, Copy, Scan), with 5" LCD, Ethernet and WiFi Capable</b>	unit	1	25,000.00	25,000.00
	Printing Method: Colour Laser Beam Printing				
	Print Speed: A4 18 / 18 ppm (Mono / Colour), Letter 18 / 18 ppm (Mono / Colour)				
	Print Resolution: 600 x 600 dpi				
	Print Quality with Image Refinement Technology: 1,200 (eq.) x 1,200dpi (eq.)				
	Warm up Time (From Power On): 13 sec or less				
	First Print Out Time (FPOT): A4				
	Approx. 10.4 / 10.5 sec (Mono / Colour)				
	Letter: Approx 10.3 / 10.3 sec (Mono / Colour)				
	Recovery Time (From Sleep Mode): 6.1 sec or less				
	Print Language: UFR II				
	Auto Duplex Print				
	Standard Cassette: 250 sheets (80gsm)				



	<i>Multi-Purpose Tray: 1 sheet</i>				
	<i>Maximum Paper Input Capacity: 251 sheets</i>				
	<i>Paper Output: 100 sheets</i>				
	<i>Standard Cassette: A4, B5, A5, Letter, Legal, Statement, Executive, Government Letter, Government Legal, Foolscap, Indian LegalCustom (Min. 76.2 x 127.0mm to Max. 216.0 x 355.6mm)</i>				
	<i>Multi-Purpose Tray: A4, B5, A5, Letter, Legal, Statement, Executive, Government Letter, Government Legal, Foolscap, Indian Legal, Index Card. Envelope: COM10, Monarch, C5, DLCustom (Min. 76.2 x 127.0mm to Max. 216.0 x 355.6mm)</i>				
	<i>Wired: USB 2.0 High Speed, 10Base-T/100Base-TX/1000Base-T</i>				
	<i>Wireless: Wi-Fi 802.11b/g/n(Infrastructure mode, WPS Easy Setup, Direct Connection)</i>				
	<i>Network Protocol: Print</i>				
	<i>TCP/IP Application Services: Bonjour(mDNS), HTTP, HTTPS, POP before SMTP (IPv4,IPv6), DHCP, ARP+PING, Auto IP, WINS (IPv4), DHCPv6 (IPv6) Management</i>				
	<i>Wired: IP/Mac address filtering, HTTPS, SNMPv3, IEEE802.1x, IPSEC</i>				
	<i>Wireless: WEP 64/128 bit, WPA-PSK (TKIP/AES), WPA2-PSK (AES)</i>				
	<i>Device Memory: 1 GB</i>				
	<i>LCD Display: 5-line LCD</i>				
	<i>Monthly Duty Cycle: 30,000 pages</i>				
				<b>TOTAL:</b>	<b>7,221,690.00</b>

**DILBERTO O. FERRAREN**  
 BAC Chairman