



BID BULLETIN 01

Date: 05 March 2024

Project Title: Supply and Delivery of I.T Equipment and Supplies (VSU-GOODS-24-23)

Location: VSU Main, Visca, Baybay City, Leyte

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

I. LIST OF REQUIREMENTS

(1st Envelope) TECHNICAL COMPONENT ENVELOPE	
<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 2,825,000.00 .)
	Or
	Statement of at least two (2) similar completed contracts w/ total amount of at least Php 2,825,000.00 and the largest of which should be at least Php 1,412,500.00
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 5,650,000.00)
	Or
	Committed Line of Credit (at least Php 565,000.00)
(2nd Envelope) FINANCIAL COMPONENT ENVELOPE	
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 scanned 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/ 8. Production and delivery schedule	Schedule of Requirements
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 before the deadline.

III. Changes in the Bidding Documents

Original	
<p>Section I. Invitation to Bid</p> <p>5. A complete set of Bidding Documents may be acquired by interested Bidders on 22 February – 13 March 2024 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.</p>	<p><i>(Amendment)</i></p> <p>5. A complete set of Bidding Documents may be acquired by interested Bidders on 22 February – 13 March 2024 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:</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 jessamine.ecleo@vsu.edu.ph</p>
<p>Section II. Instructions to Bidders</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 Orange envelopes for its Technical and Financial Component envelopes, including the Mother (outer) Envelope.</p>



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 (Pesos)	Total ABC (Pesos)
1	27" FHD Curved Monitor	unit	8	11,000.00	88,000.00
	Size: 27"				
	Resolution: 1920 x 1080 FHD				
	1 ms (MPRT) / 5 ms (GTG)				
	Type: VA				
	View Angle: 178 degrees Horizontal and Vertical				
	Aspect Ratio: 16:9				
	Curvature: 1500R				
	Contrast Ratio: 4000:1				
	SRGB: 97.7% (CIE 1976)				
	Active Display Area: 597.888mm (H) x 336.312mm (V)				
	Pixel Pitch: 0.3114 (H) x 0.3114 (V)				
	Surface Treatment: Anti-glare				
	Display Colors: 16.7M				
	Color Bit: 8 Bits				
	Video Ports: 1 x Display Port (1.2a), 1 x HDMI (1.4b) @ Up to 75Hz				
	Headphone-out x 1, Kensington Lock, Speaker 2 x 2W				
	Vesa Mounting: 100 x 100 mm				
	Internal Power: 100-240V, 50-60Hz				
	FreeSync				
	Adjustment Tilt: -3.5 degrees ~ 21.5 degrees				
2	500GB M.2 NVME Gen3 SSD or higher	pc	2	5,800.00	11,600.00
	▣Capacity: 500 GB				
	▣Interface: PCIe Gen3 x4				
	▣Sequential Read Performance: 3430MB/s or higher				
	▣Sequential Write Performance: 2600MB/s or higher				
	▣Form Factor: M.2 2280				
3	Automatic Voltage Regulator (AVR)	unit	2	10,000.00	20,000.00
	100% Copper Motor				
	Servo-motor Control				
	Output Meter Display				
	Able to sustain high electricity fluctuations.				
	Time Delay Function: Long: 5 + 2min Short: 5 + 2sec				
	Output Capacity: 2000VA				
	3 Output Sockets: 110V (1 socket) / 220V (2 sockets)				
	Overvoltage protection: Internal circuit breaker				
4	Automatic Voltage Regulator (AVR), 1500W, heavy duty or higher	unit	2	5,000.00	10,000.00
	▣Input: 220volts				
	▣Power: 1500watts				



	☑Output: 110-220 volts				
	☑Range voltage 120v-220 volts				
	☑Servo motor controlled				
5	AVR, 500W or higher (IC Controlled)	unit	4	500.00	2,000.00
	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				
6	Branded Desktop computer 13th Gen i7 or higher with 27" wide monitor	unit	1	150,000.00	150,000.00
	Processor:13th Gen Intel Core i7-13700KF 16cores & 24Threads or higher				
	Graphics: NVIDIA GeForce RTX4060Ti 12GB GDDR6X or higher				
	MEMORY: 32GB DDR5 48000MHz or higher				
	STORAGE: 1TB PCIe 4.0 SSD or higher				
	OPERATING SYSTEM: License Windows 11				
	Wireless: WIFI 6 & Bluetooth 5.2				
	Chassis Type: Vertical				
	Power: 8 Phase 253W & 550W power adapter				
	Motherboard: Z790 Chipset				
	27-inch Monitor, Brightness 350 cd/m2 (typical), Panel Type VA, Maximum Resolution 2560 x 1440				
	Includes branded keyboard and mouse				
	UPS, 800VA				
7	Canon Pixma Ink Bottle,GI-71(Black, Cyan, Magenta, Yellow)	set	3	2,500.00	7,500.00
	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				
8	Computer Printer 3-in-1	unit	2	12,500.00	25,000.00
	☑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				
9	Computer Printer, All-in-One/Multifunction Colored-Ink Tank	unit	11	14,000.00	154,000.00
	☑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				



	<ul style="list-style-type: none"> ☐ Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology 				
	<ul style="list-style-type: none"> ☐ Ink Technology: Dye Ink 				
	<ul style="list-style-type: none"> ☐ Printing Resolution: 5,760 x 1,440 DPI 				
10	Desktop Computer (i3, 11th Gen) (Assembled)	set	1	40,000.00	40,000.00
	<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"> ☐ 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"> ☐ Keyboard and Mouse Combo 				
	<ul style="list-style-type: none"> ☐ Casing with Power Supply 				
	<ul style="list-style-type: none"> ☐ 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, 				
	<ul style="list-style-type: none"> ☐ Operating System: Genuine Windows 10 Home (OEM) 				
	<ul style="list-style-type: none"> ☐ AVR: 500W IC controlled 				
11	Desktop Computer w/ Monitor, Assembled, Core i5 12Gen, 8GB RAM, GTX 1050Ti	set	6	50,000.00	300,000.00
	<ul style="list-style-type: none"> Processor: Intel® i5-12400 Total Cores: 6, Threads: 12, Max Turbo Frequency: 4.40Ghz, Performance Core Base Frequency: 2.5Ghz, Cache: 18MB, Processor Graphics: Intel® UHD Graphics 730 or higher 				
	<ul style="list-style-type: none"> Motherboard: Intel® B660 Express Chipset, Supports 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+2+1 Phases Hybrid Digital VRM with MOS Heatsink, Fast 2.5 GbE GAMING LAN with Bandwidth Management or higher 				
	<ul style="list-style-type: none"> RAM: 8GB 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"> HDD: 1TB 7200 RPM, 16MB Cache 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 GTX 1050 TI 4GB GDDR5 128 bit(DVI/HDMI/DP) 				
	<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 				
	<ul style="list-style-type: none"> Monitor: 24" In Plane Switching (IPS), Full HD 1920x1080 Resolution, Response Time: 5ms, Refresh Rate: 75Hz, Brightness: 250 cd/m2 				
	<ul style="list-style-type: none"> Keyboard and Mouse Combo: Spill-resistant design with up to Up to 5 million keystrokes keyboard and full-sized ambidextrous optical mouse 				
	<ul style="list-style-type: none"> Operating System: Genuine Windows 10 or higher 				
12	Desktop Computer, with Monitor, Core i5 12th Gen, 8GB RAM (Assembled)	set	1	49,000.00	49,000.00
	<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				
	☑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				
13	Desktop, All-in-One (AIO), 24" Monitor or higher	unit	3	45,000.00	135,000.00
	approximately 24" Monitor				
	Core i5 12th Gen or higher				
	8GB RAM or higher				
	256GB M.2 NVME & 1TB HDD or higher				
	LAN, WiFi, Bluetooth, Camera, HDM Out 2x				
	Built-in Speakers				
	Windows 11, MS Office Ready				
	with USB Keyboard and Mouse				
14	Document Scanner and Camera, Portable, A3 Capture Size	unit	3	7,000.00	21,000.00
	A3 Capture Size				
	Multi-language				
	Optical Resolution: 3664*2744				
	Output formats: Excel, PDF, PDF searchable, Text, JPG, Word System				
	Scan Speed: less than 2s				
	Frame rate: MJP 15ftps				
15	Dual-Sided Thermal ID Card Printer	unit	1	152,000.00	152,000.00
	Dual Sided Printing				
	Direct Dye-Sublimation				
	Edge to Edge				
	300 dpi (Colour & Mono); 600dpi & 1200dpi (Mono only)				
	Automatic Card Feeding				
	ISO CR80 or ISO CR79 (Option-Factory installed)				
	0.38mm (15mil) ~ 1.0mm (40mil)				
	PVC, PET, Composite PVC				
	Monochrome - 5 sec/card (720 cards/hour)				
	YMCKOK - Max. 22 sec/card (164 cards/hour)				
	Input Card Hopper - 100 Cards / 200 Cards with cover open				
	Output Card Hopper - Front : 40 Cards / Rear : 100 Cards (Optional Rear-side Stacker)				
	64MB RAM Memory				
	Interface - 2 Line LCD / 2 LED Buttons				
	Supported Platforms - Microsoft Windows 7/8/10, Mac OS, Linux				
	Communication - USB, Ethernet (Option), WiFi (Option)				
	Power Supply - Free Voltage (AC100/220V, 50~60Hz)				
	Power Consumption - 48W				
16	Epson 003 Ink Bottle for Epson L3150, Black	btl	40	400.00	16,000.00
17	Epson 003 Ink Bottle for Epson L3150, CYAN	btl	40	400.00	16,000.00



18	Epson 003 Ink Bottle for Epson L3150, MAGENTA	btl	40	400.00	16,000.00
19	Epson 003 Ink Bottle for Epson L3150, YELLOW	btl	40	400.00	16,000.00
20	Epson 188 Black, Cyan, Yellow & Magenta Ink Set of 4 Colors	set	1	4,700.00	4,700.00
	<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>				
21	External Hard Disk Drive (Portable, 1TB), USB 3.1	unit	1	3,500.00	3,500.00
	☑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				
22	External Hard Disk Drive (Portable, 2TB), USB 3.1	unit	2	4,200.00	8,400.00
	☑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				
23	External Hard Drive, 1 TB	unit	1	3,500.00	3,500.00
	<i>Capacity: 1TB</i>				
	<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>				
25	Flash Drive, 128GB, USB 3.0	pc	2	1,500.00	3,000.00
	☑Capacity:128GB				
	☑Interface: USB 3.0				
	☑Speed: 100MB/s read, 10MB/s write				
26	Flash Drive, 16 GB capacity	pc	20	200.00	4,000.00
27	Gaming Chair with Footrest, XL Size	unit	10	10,000.00	100,000.00
	<i>Recline 90°~170°</i>				
	<i>Weight Capacity: up to 180KG</i>				
	<i>Suitable for people with a height between 160cm-190cm</i>				
	<i>Alloy frame is covered in quality hand-sewn PU leather</i>				
	<i>Wider Seat + 5 Inches of High-density Foam</i>				
	<i>Class 4 gas cylinder</i>				
	<i>Configuration: Adjustable Seat Height + highly flexible head pillow + lumbar support</i>				
	<i>Controllable Rocking + Retractable Footrests: Perfect for</i>				



	relaxing during breaks				
28	GS CONFERENCE ROOM GOOSENECK MICROPHONES	pc	18	4,000.00	72,000.00
	★Feature:				
	1. 8 UHF Gooseneck Wireless Microphone				
	2. A wireless system designed for large meeting places				
	3. Flexible gooseneck, you can adjust to the best angle.				
	4. Independent mic volume control				
	5. Metal receiver can connect to Amplifier, Mixer, or other PA system.				
	6. Operation Range: distance up to 200 Feet (60 Meters) ★Specification: Channel group number: PLL phase locked frequency Shock mode: $\pm 0.005\%$ (100-50) Carrier frequency band: 20MHz Frequency band width: when the offset is equal to 40KHz , enter the V6dB,S/N80dB Sensitivity: $\pm 25\text{KHz}$ Maximum deviation: $\pm 95\text{dB}$ (1KHz-A) Integrated S/N ratio: 100Hzk-18Hz 3dB with low frequency attenuation filter circuit Integrated frequency response: XLR balanced outlet independent Output and 6.3 unbalanced outlet mixed output Resistance to receive distance DC power supply 12-15VDC 0.5A ★Package Included: UHF wireless microphone receiver*1 Gooseneck Microphone*8 Microphone windshield *8 Antennas*4 Power Adapter*1 Audio cable 6.5mm*1 User Manual*1				
29	Hard Drive, Internal-SATA, 3.5"	unit	4	40,000.00	160,000.00
	Enterprise-level server and storage HDD				
	3.5" Form Factor				
	18TB Storage Capacity				
	SATA 6GBPS Interface				
	7200 rpm Spindle Speed				
	512 MB Buffer Size				
	512e Sector Size Compatibility				
	equipped with Self-Monitoring, Analysis, and Reporting Technology (SMART) features for real-time monitoring				
	3-year Manufacturer Warranty				
	Factory Sealed				
30	HDMI to HDMI cable, 2M or higher	pc	35	500.00	17,500.00
	2M Length				
	Resolution: 4K 60Hz/4K 30Hz/1080P 60Hz				
	Version: HDMI 2.0				
	Connector: HDMI male				
	Connector: Gold Plated				
	Cable jacket: PVC				
31	Headset with Noise Cancelling Mic	unit	2	1,800.00	3,600.00
	☐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				
32	Headset, USB Wired, Noise Cancelling, Rotatable Mic. Boom	unit	8	1,500.00	12,000.00
	<i>Lightweight Design</i>				
	<i>Superior Ear Cushions</i>				
	<i>Noise Cancelling Unidirectional Mic. and Rotatable Mic. Boom</i>				
	<i>Volume Switch and High Performance</i>				
	<i>Equipped with Digital Signal Processing Stereo Chipset</i>				
	<i>40mm HD Driver Speaker Unit</i>				
	<i>Headset Frequency Response: 20Hz-20KHz</i>				
	<i>105dB Sensitivity</i>				
	<i>32-ohm Impedance</i>				
	<i>Microphone Frequency Response: 100Hz-10KHz</i>				
	<i>-44dB Sensitivity</i>				
	<i>USB Wired</i>				
	<i>With 1-Year Manufacturer Warranty</i>				
33	HP, Laser Jet 107a Toner HP 107A (W1107A), Black	pc	15	3,250.00	48,750.00
34	HP, Laser Jet Pro M15W Toner HP 48A (CF248A), Black	pc	15	3,250.00	48,750.00
35	Ink HP GT52 Cyan (C), Genuine	btl	5	500.00	2,500.00
36	Ink HP GT52 Magenta (M), Genuine	btl	5	500.00	2,500.00
37	Ink HP GT52 Yellow (Y), Genuine	btl	5	500.00	2,500.00
38	INK HP GT53XL 135 ML BLACK	box	5	505.00	2,525.00
39	Ink, Brother BT5000C Cyan	btl	20	500.00	10,000.00
40	Ink, Brother BT5000M Magenta	btl	20	500.00	10,000.00
41	Ink, Brother BT5000Y Yellow	btl	20	500.00	10,000.00
42	Ink, Brother BTD60BK, Black	btl	20	500.00	10,000.00
43	Ink, Epson 003,Genuine Black 65mL	btl	191	350.00	66,850.00
44	Ink, EPSON 003,Genuine Cyan 65mL	btl	105	350.00	36,750.00
45	Ink, EPSON 003,Genuine Magenta 65mL	btl	115	350.00	40,250.00
46	Ink, EPSON 003,Genuine Yellow 65mL	btl	117	350.00	40,950.00
47	Ink, EPSON T9481 XL for WF-C878R Printer, Black	tube	10	1,500.00	15,000.00
48	Ink, EPSON T9481 XL for WF-C878R Printer, Cyan	tube	10	1,500.00	15,000.00
49	Ink, EPSON T9481 XL for WF-C878R Printer, Magenta	tube	10	1,500.00	15,000.00
50	Ink, Epson, genuine (C) T664, 70 ml	pc	1	350.00	350.00
51	Ink, Epson, genuine (M) T664, 70 ml	pc	1	350.00	350.00
52	Ink, Epson, genuine, (BK) T664, 70 ml	pc	24	350.00	8,400.00
53	Ink, Epson, genuine, (Y) T664, 70 ml	pc	1	350.00	350.00
54	Ink. EPSON T9481 XL for WF-C878R Printer, Yellow	tube	10	1,500.00	15,000.00
55	Keyboard And Mouse Combo Bundle, USB powered	set	6	600.00	3,600.00
	☐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				
56	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 or higher				
	☑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				
	(with Bag)				
57	Laptop Charger, Universal, 8-in-1	pc	2	1,000.00	2,000.00
	☑Input voltage:AC110-AC240V 50/60Hz Auto-Volt				
	☑Output wattage:96W				
	☑Output volatges:12V/15V/16V/18V/19V/20V/24V Output current:(12V/15V/16V/18V/19V)4.5A,(20/24V) 4A, (USB)2.1A				
	☑With Voltage indicator				
	☑Output Tip A:Φ6.3xΦ4.0mm For Sony/Fujitsu/Samsung laptops.				
	☑Output Tip B:Φ6.0xΦ3.0mm For Toshiba/NEC laptops.				
	☑Output Tip C:Φ5.0xΦ2.5mm For Liteonit/Fujitsu/HP laptops.				
	☑Output Tip D:Φ5.5xΦ2.1mm For Compaq laptops.				
	☑Output Tip E:Φ5.5xΦ1.7mm For Sony/Acer laptops.				
	☑Output Tip F:Φ4.8xΦ1.7mm For Asus laptops.				
	☑Output Tip G:Φ4.0xΦ1.7mm For Sony/Asus/Acer laptops.				
	☑Output Tip H:Φ3.5xΦ1.35mm For Sharp/Dell laptops.				
58	Laptop, 16", 16GB or higher	unit	1	60,000.00	60,000.00
	CPU: AMD Ryzen 7 7735H or higher				
	GPU: AMD Radeon Graphics or higher				
	RAM: 16G LPDDR5 6400MHz, Dual M.2 SSD Slots or higher				
	Storage: 512G SSD PCIE4.0 or higher				
	Screen: 16" 2.5K 100% <i>s</i> RGB, 2560x1600, Free Sync, 120Hz Refresh Rate, 350 nit Brightness, 1200:1 Image Contrast				
	Power Consumption: 65W				
	WiFi 6E, 2-in-1 Audio Jack, USB 3.2, USB-A, SD Card Reader, Type-C, HDMI 2.1,				
	with Fingerprint Reader and Glowing Tail Lights				
	White Backlit Keyboard				
	75Wh Li-Polymer Battery - 100W PD Fast Charge				
	Thin and Light Metal Design				
	1.9kg				
	Operating system: Windows 10 Home or higher				



	(with Bag)				
59	Laptop, AMD Ryzen 5 4500U, 14" FHD	unit	1	45,000.00	45,000.00
	☑Processor: CPU AMD Ryzen 5 4500U or higher				
	☑Graphics: AMD Radeon Graphics or higher				
	☑Display: 14" 1920x1080 IPS FHD LED 250NITS				
	☑Memory: 16GB DDR4 3200MHZ(8+8) or higher				
	☑Storage: 512g SSD M2 or higher				
	☑Keyboard and Touchpad: No backlit				
	☑Audio: HD audio Realtek				
	☑Camera: 720PHD CAM				
	☑Wireless Connectivity: Wi-Fi 6 BT5.0				
	(with Bag)				
	☑Battery and Power: 45W BATTERY				
	☑Operating System: Genuine Windows 10 or higher				
60	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 or higher				
	(with Bag)				
61	Laptop, Touchscreen, Core i5, 13.3"	pc	2	60,000.00	120,000.00
	Intel Core i5 at least 10th Generation with Intel UHD Graphics 620 (4 cores 8 threads, base clock speed 1.6 GHz, Turbo Boost up to 3.9 GHz, 6 MB L3 Cache) or higher				
	at least 16GB DDR4 RAM				
	at least 256GB PCIe NVMe M.2 SSD				
	13.3" diagonal FHD IPS (1920x1080) Touchscreen, Intel AX200 Wi-Fi 6 (2x2) and Bluetooth 5 Combo				
	2 xUSB 3.1 gen1 Type-C Thunderbolt 3 (1xcharging), 2 x USB 3.1 gen1 Type-A, 1xAudio Combo Jack, 1xHDMI 1.4				
	Operating System - Licensed Windows 10 Pro or higher				
	(with Bag)				
62	Laser Printer, High Speed Single Function Printer with Automatic 2-sided Printing and Wireless Connectivity	unit	2	10,000.00	20,000.00
	FUNCTIONS: Print				
	PRINTER TYPE: Laser Printer				
	PRINT SPEED: Up to 36 pages/minute (Letter size), Up to 34 pages/minute (A4 size)				
	PAPER SIZE: A4, Letter, A5, A5(Long Edge), A6, Executive, Legal, Folio, Mexico Legal, India Folio				
	Print RESOLUTION: 600 x 600 dpi, HQ1200 (2400 x 600 dpi) quality, 1200 x 1200 dpi. 2-SIDED - PAPER TYPE				
	Plain Paper, Thin Paper, Recycled Paper,Thick Paper 2-SIDED - PAPER SIZE A4				
	PAPER INPUT - PAPER TRAY #1 - MAXIMUM PAPER CAPACITY Up to 250 sheets of 80 g/m2 plain paper				



	PAPER INPUT - MULTI-PURPOSE TRAY: 1 sheet				
	PAPER OUTPUT: Up to 150 Sheets of 80 g/m2 Plain Paper (face-down delivery to the face-down output paper tray)				
	Connectivity USB USB 2.0				
	LAN: 10BASE-T / 100BASE-TX				
	WIRELESS LAN: IEEE 802.11b/g/n (Infrastructure/Ad-hoc Mode)				
	IEEE 802.11g/n (Wi-Fi Direct)				
63	LCD Projector (XGA), 3LCD Technology	unit	2	28,000.00	56,000.00
	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				
64	LCD Projector, 3LCD Technology	unit	11	28,000.00	308,000.00
	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)				
	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				
65	Maintenance Box, EPSON, WF-C869R	pc	3	6,000.00	18,000.00
	Replacement parts for EPSON Photocopier.				
66	Presentation Clicker/Pointer	pc	4	1,700.00	6,800.00
	R400-delete 2.4 GHz USB-Receiver Red Laser Pointer Wireless Presentation Remote				
67	Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)	unit	3	11,000.00	33,000.00
	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				
68	Projector Screen	pc	1	15,000.00	15,000.00
	☐manual pull-down with a speed control mechanism				
	☐Ceiling/Wall Mount				
	☐Aspect Ratio 16:9				
	☐Screen Height at least 2030mm				
	☐Screen at least Width 1145mm				
	☐Metal casing				
69	PVC Card Blank, 500 pc/box, Smart ID Machine, Plain White	box	5	1,250.00	6,250.00
70	PVC Card Blank, 500 pc/box, Smart ID Machine, with MAGSTRIPE	box	5	2,250.00	11,250.00
71	Rechargeable Wireless Keyboard and Mouse Set	unit	4	950.00	3,800.00
	☐Rechargeable Office Wireless Keyboard and Mouse Set				
	☐Size: 284*121*16.mm				
	☐Weight: 280g				
	☐Connection method: USB receiver/Bluetooth				
72	Ribbon Cartridge EPSON LX-310	pc	10	165.00	1,650.00
73	Ribbon Cartridge EPSON S015639	pc	15	165.00	2,475.00
	☐Ribbon Cartridge S015639 for EPSON LQ-310 printer				
74	Solid State Drive, Internal, 2.5", 1TB	unit	4	3,000.00	12,000.00
	SATA Rev. 3.0 (6GB/s) with backward compatibility to SATA Rev. 2.0 (3GB/s)				
	Up to 500MB/s read and 450MB/s write or better				
75	Special SAM Broadcaster PRO Version 2022 or latest Version, License Radio Software	set	1	18,000.00	18,000.00
77	System Unit (CPU), Core i7 8GB RAM (Assembled)	unit	5	40,000.00	200,000.00
	CPU: 9th Gen Intel Core i7-9700 (8-Core, 12MB Cache, up to 4.7GHz with Intel Turbo Boost Technology) or higher				
	SDD: 256GB M.2 PCIe NVMe Solid State Drive or higher +				



	1TB 7200 rpm 3.5" SATA Hard Drive or higher				
	RAM: at least 8GB (8GBx1) DDR4 2666MHz or higher				
	Graphics: NVIDIA GeForce GTX 1650 4GB GDDR5 or higher				
	ATX casing with 700W PSU				
	With genuine Microsoft Office license.				
	OS: at least Windows 10				
79	Toner Cartridge, HP 85A CE285A, Black	box	54	3,500.00	189,000.00
	HP 85A (CE285A) toner cartridges work with: HP LaserJet Pro M1212nf, M1217nfw, P1102w, P1109w				
	HP 85A toner cartridge yield (approx.): 1,600 pages. Operating temperature range is 10 to 32.5°C				
80	Ubiquiti Unifi HD Access Point 802.11 AC Wave 2 MU-MIMO Indoor (UAP-AC-HD)	unit	1	25,000.00	25,000.00
	<ul style="list-style-type: none"> ▣ 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				
81	Ubiquiti Unifi HD Access Point 802.11 AC Wave 2 MU-MIMO Indoor / Outdoor High Density Access Point	unit	2	26,000.00	52,000.00
	<ul style="list-style-type: none"> ▣ 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				
	☑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				
82	UPS (with built-in AVR)	unit	6	17,000.00	102,000.00
	<i>Description:</i>				
	-CPU controlled				
	-Advanced AVR technology				
	-Surge protection				
	-Battery backup				
	-Auto charge in power off mode				
	-Overload and short circuit protection				
	-Resettable Fuse on back panel				
	-LCD display and Audible alarm				
	-3000VA				
	-4 Outlets				
	-Up to 120 Minutes Runtime				
	-AVR				
	<i>Specifications:</i>				
	<i>Input: Voltage: 220V</i>				
	<i>Voltage Range: 175-275V</i>				
	<i>Frequency: 50Hz/60Hz</i>				
	<i>Output: Capacity (Total): 3000VA/1800W</i>				
	<i>Voltage (On Battery): 220V+-5%</i>				
	<i>Frequency: 50Hz/60Hz Sync with Utility Power</i>				
	<i>Transfer Time: 2-6ms Typical</i>				
	<i>Wave Form: Simulated Sine Wave</i>				
	<i>Connection: Universal Outlet x4</i>				
	<i>Battery: Type: Maintenance-Free Sealed Lead-Acid</i>				
	<i>Capacity: 12v/9AHx4</i>				
	<i>Recharging Time: 8Hours > 90%</i>				
	<i>Back up Time (1PC): Up to 120 minutes (Depending on Load)</i>				
83	UPS 800W (for Computer) or higher	unit	11	5,000.00	55,000.00
	☑Charging time: At most 4 hours				
84	UPS, at least 500 w	pc	4	2,550.00	10,200.00
	<i>Recharging Time: at most 4 Hours;</i>				
85	UPS, at least 800 watts	unit	11	5,000.00	55,000.00
	☑Recharging Time: at most 4 Hours;				
86	UPS, Box of 4, 1500VA/900W, 6 Universal Sockets	box	4	20,000.00	80,000.00



	1500 VA / 900W				
	LCD Front Panel Display				
	12V / 8AH				
	6 Universal Sockets				
	Microprocessor-Based Digital Control				
	220-240V Input-Output Voltage				
	50-60 Hz				
	Overload and Short Circuit Protection				
	Auto charging at off mode				
	1-year Manufacturer Warranty				
87	USB Hub, 4 gangs	pc	4	680.00	2,720.00
	MS Universal USB 3.0 Multi-Port Socket at least 4 ports				
	Plug type: US, EU				
88	Hard Drive, External, 2TB, USB 3.0, 5.0 Gbit/s Transfer Rate or Better	unit	2	4,500.00	9,000.00
89	VOIP Phone	unit	6	15,000.00	90,000.00
	Audio Features				
	• HD voice: HD handset, HD speaker				
	• Smart Noise Filtering				
	• Narrowband codec: PCMU (G.711A), PCMA (G.711μ), G.723.1, G.729, G.729A, G.729B, G.729AB, G.726, iLBC				
	• DTMF: In-band, Out-of-band (RFC 2833) and SIP INFO				
	• Full-duplex hands-free speakerphone with AEC				
	• VAD, CNG, AEC, PLC, AJB, AGC				
	Phone Features				
	• 2 VoIP accounts				
	• Call hold, mute, DND				
	• One-touch speed dial, hotline				
	• Call forward, call waiting, call transfer				
	• Group listening, SMS, emergency call				
	• Redial, call return, auto answer				
	• Local 5-way conferencing				
	• Direct IP call without SIP proxy				
	• Ring tone selection/import/delete				
	• Set date time manually or automatically				
	• Dial plan				
	• XML Browser, action URL/URI				
	• Integrated screenshots				
	• RTCP-XR, VQ-RTCPXR				
	• Enhanced DSS Key				
	Directory				
	• Local phonebook up to 1000 entries				
	• Black list				
	• XML/LDAP remote phonebook				
	• Smart dialing				
	• Phonebook search/import/export				
	• Call history: dialed/received/missed/forwarded				



	IP-PBX Features				
	• Busy Lamp Field (BLF), Bridged Line Appearance (BLA)				
	• Anonymous call, anonymous call rejection				
	• Hot-desking, voice mail				
	• Flexible seating				
	• Call park, call pickup				
	• Executive and Assistant				
	• Centralized call recording				
	• Visual voice mail				
	• Call recording				
	Display and Indicator				
	• 2.3" 132x64-pixel graphical LCD with backlight				
	• LED for call and message waiting indication				
	• Dual-color (red or green) illuminated LEDs for line status information				
	• Intuitive user interface with icons and soft keys				
	• Multilingual user interface				
	• Caller ID with name and number				
	• Power saving				
	Feature keys				
	• 2 line keys with LED				
	• 6 features keys: transfer, message, headset, redial, mute, hands-free speakerphone				
	• 5 navigation keys				
	• Volume control keys				
	Interface				
	• Dual-port Gigabit Ethernet				
	• Power over Ethernet (IEEE 802.3af), class 1*				
	• 1 x RJ9 (4P4C) handset port				
	• 1 x RJ9 (4P4C) headset port				
	Other Physical Features				
	• Color: Classic Grey				
	• Wall mountable				
	• External Yealink AC adapter				
	AC 100-240 V input and DC 5 V/0.6 A output				
	• Power consumption (PSU): 2-3 W				
	• Power consumption (PoE): 3-4 W				
	• Dimension (W x D x H x T):				
	188 x 189 x 162 x 50 mm				
	• Operating humidity: 10-95%				
	• Operating temperature: -10 to +45°C (+14 to 113°F)				
	• Storage temperature: -30 to +70°C (-22 to +158°F)				
	Management				
	• Configuration: browser/phone/auto-provision				
	• Auto provision via FTP/TFTP/HTTP/HTTPS for mass deploy				
	• Auto-provision with PnP				
	• Zero-sp-touch, TR-069				



	• Phone lock for personal privacy protection				
	• Reset to factory, reboot				
	• Package tracing export, system log				
	Network and Security				
	• SIP v1 (RFC2543), v2 (RFC3261)				
	• Call server redundancy supported				
	• NAT traversal: STUN mode				
	• Proxy mode and peer-to-peer SIP link mode				
	• IP assignment: static/DHCP				
	• HTTP/HTTPS web server				
	• Time and date synchronization using SNTP				
	• UDP/TCP/DNS-SRV (RFC 3263)				
	• QoS: 802.1p/Q tagging (VLAN), Layer 3 ToS DSCP				
	• SRTP for voice				
	• Transport Layer Security (TLS 1.3)				
	• HTTPS certificate manager				
	• AES encryption for configuration file (AES256)				
	• Digest authentication				
	• OpenVPN, IEEE802.1X, L2TP VPN				
	• IPv6				
	• LLDP/CDP/DHCP VLAN				
	• ICE				
	• WPA2/WPA3				
	• Secure boot				
	• GARP (Generic Attribute Registration Protocol)				
	NOTE: Must be compatible with existing Yearstar S300 Server for auto provisioning				
90	VOIP PHONE	unit	1	15,000.00	15,000.00
	☐Data networking				
	☐MAC address (IEEE 802.3)				
	☐IPv4 (RFC 791)				
	☐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)				
	☐Voice gateway				
	☐SIP version 2 (RFC 3261, 3262, 3263, 3264)				
	☐SIP with the Cisco Unified Communications 500 Series				
	☐SIP proxy redundancy: dynamic via DNS SRV, A records				



<input type="checkbox"/>	Reregistration with primary SIP proxy server				
<input type="checkbox"/>	SIP support in NAT networks (including STUN)				
<input type="checkbox"/>	SIPFrag (RFC 3420)				
<input type="checkbox"/>	Secure (encrypted) calling via SRTP				
<input type="checkbox"/>	Codec name assignment				
<input type="checkbox"/>	Voice algorithms:				
<input type="checkbox"/>	G.711 (A-law and μ -law)				
<input type="checkbox"/>	G.726 (16/24/32/40 kbps)				
<input type="checkbox"/>	G.729 A				
<input type="checkbox"/>	G.722				
<input type="checkbox"/>	Dynamic payload support				
<input type="checkbox"/>	Adjustable audio frames per packet				
<input type="checkbox"/>	Dual-tone multifrequency (DTMF), in-band and out-of-band (RFC 2833) (SIP INFO)				
<input type="checkbox"/>	Flexible dial plan support with interdigit timers				
<input type="checkbox"/>	IP address/URI dialing support				
<input type="checkbox"/>	Call progress tone generation				
<input type="checkbox"/>	Jitter buffer: adaptive				
<input type="checkbox"/>	Frame loss concealment				
<input type="checkbox"/>	Comfort Noise Generation (CNG)				
<input type="checkbox"/>	Voice activity detection (VAD) with silence suppression				
<input type="checkbox"/>	Attenuation/gain adjustments				
<input type="checkbox"/>	VMWI - Voicemail Waiting Indicator, via NOTIFY, SUBSCRIBE				
<input type="checkbox"/>	Caller ID support (name and number)				
<input type="checkbox"/>	Third-party call control (RFC 3725)				
<input type="checkbox"/>	Provisioning, administration, and maintenance				
<input type="checkbox"/>	Integrated web server provides web-based administration and configuration				
<input type="checkbox"/>	Telephone keypad configuration via display menu/navigation				
<input type="checkbox"/>	Automated provisioning and upgrade via HTTPS, HTTP, TFTP				
<input type="checkbox"/>	Asynchronous notification of upgrade availability via NOTIFY				
<input type="checkbox"/>	Nonintrusive in-service upgrades				
<input type="checkbox"/>	Report generation and event logging				
<input type="checkbox"/>	Statistics transmitted in BYE message				
<input type="checkbox"/>	Syslog and debug server records: configurable per line				
<input type="checkbox"/>	Power supply				
<input type="checkbox"/>	1Power supply is optional and is purchased separately				
<input type="checkbox"/>	Models: Cisco PA100-NA, PA100-EU, PA100-UK, PA100-AU				
<input type="checkbox"/>	Switching type (100-240V) automatic				
<input type="checkbox"/>	DC output voltage: +5 VDC at 2.0A maximum				
<input type="checkbox"/>	Power adapter: 100-240V 50-60 Hz (26-34 VA) AC input				
<input type="checkbox"/>	Physical interfaces				
<input type="checkbox"/>	Two 10/100BASE-T RJ-45 Ethernet ports (IEEE 802.3)				
<input type="checkbox"/>	Handset: RJ-9 connector				
<input type="checkbox"/>	Built-in speakerphone and microphone				
<input type="checkbox"/>	Headset 2.5mm jack				
<input type="checkbox"/>	Indicator lights/LEDs				



	☐Speakerphone on/off button with LED				
	☐Headset on/off button with LED				
	☐Mute button with LED				
	☐Message waiting LED				
	☐Body dimensions (W x H x D)				
	☐8.42 x 8.35. x 1.73 in. (214 x 212 x 44 mm)				
	☐Unit weight				
	☐2.00 lb (0.9 kg)				
	☐Operating temperature				
	☐32° ~ 104°F (0° ~ 40°C)				
	☐Storage temperature				
	☐-4° ~ 158°F (-20° ~ 70°C)				
	☐Operating humidity				
	☐5% to 95% noncondensing				
	☐Storage humidity				
	☐5% to 95% noncondensing				
	☐Should be compatible with existing fleet of VSU IP Phones				
91	VoIP, Telephone	unit	5	15,000.00	75,000.00
	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 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				
92	Web Camera for Laptop and Desktop	pc	15	720.00	10,800.00
	☐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				
93	Wireless Access Point	unit	1	14,500.00	14,500.00
	☐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				
	☐5 GHz				
	☐23 dBm				
	☐26 dBm				
	☐MIMO				
	☐2.4 GHz				
	☐5 GHz				
	☐2x2				
	☐4x4				
	☐Radio Rates				
	☐2.4 GHz				
	☐5 GHz				
	☐300 Mbps				
	☐1733 Mbps				
	☐Antennas				
	☐2.4 GHz				
	☐5 GHz				
	☐(2) Single-Port, Single-Polarity Antennas, 2.8 dBi each				
	☐(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				
	☑Should be compatible with existing UniFi Controller				
94	Laser Presentation Remote / Wireless Presenter, Black	pc	2	700.00	1,400.00
	☑Wave Length: 640 ~ 660nm (red light)				
	☑Battery type: 2 AAA batteries				
	☑Battery life (Laser pointer): 20-hour maximum				
	☑Battery life (Presenter): 1050-hour maximum				
	☑Wireless operating distance: Approx 10m				
	☑1.49 in (37.8 mm) x 4.55 in (115.5 mm) x 1.08 in (27.4 mm)				
	☑0.65 in (16.5 mm) x 2.31 in (58.6 mm) x 0.31 in (7.9 mm)				
	☑Windows Vista, Windows 7, Windows 8				
	☑Wireless mini-receiver				
	☑2 AAA batteries				
	☑Carrying case				
	☑Quick-start guide				
95	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				
96	Camera Battery	pcs	1	3,500.00	3,500.00
	Chemistry Lithium-Ion				



	Output Voltage 7.2 VDC				
	Capacity: 875mAh				
	Powers EOS M50 and M100 Cameras				
	For Rebel SL1 & PowerShot SX70 HS				
97	Ceiling fan	pc	7	2,500.00	17,500.00
	☐Orbit type				
	☐metal blade 16"				
	☐three speed controller				
98	Audio Amplifier Two Channels	unit	1	15,000.00	15,000.00
	Stereo output power 8Ω: 650Wattsx2				
	Stereo output power 4Ω: 1100Wattsx2				
	Total harmonic distortion: <0.01%				
	Signal-to-noise ratio: >105dB				
	Input impedance: balanced 20KΩ/unbalanced 10KΩ				
	Input sensitivity: 0db/1V				
	Voltage gain: adjustable, maximum 32dB (40 times)				
	Frequency response: 20Hz~20KHz ±0.15dB				
	Conversion rate: 50V/us				
	Channel isolation: 105dB (1KHz); 80dB (20KHz)				
	Damping coefficient: 80/1KHz > 250				
	Connector: Input: XLR female, TRS (1/4 inch) output terminal and Speaker socket				
	Indicator light: signal indicator, protection indicator, overheat protection, overload protection				
	AC input voltage: AC220V/50-60HZ				
99	Computer Keyboard USB	pc	24	400.00	9,600.00
	☐Standard Keyboard with 104 Keys				
	☐USB Connection				
	☐Low Profile Key Caps				
	☐Minimum Key Noise				
	☐Laser Printing for Key Layout				
	☐Spill Resistant Design				
100	Computer Monitor 21.5", VA or higher	pc	24	5,500.00	132,000.00
	Size: 21.5" or higher				
	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				
101	Ethernet Switch, 16 Port, Gigabit	unit	2	5,000.00	10,000.00
	Standards and Protocols IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab , IEEE 802.3x				
	Interface :16 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)				
	Fan Quantity Fanless				
	Power Supply 100-240VAC, 50/60Hz				
	Switching Capacity 32Gbps Packet Forwarding Rate 23.8Mpps				
	MAC Address Table 8K Jumbo Frame 10KB				
	Green Technology Yes				
	Transfer Method Store-and-Forward				
102	External Hard Disk Drive (Portable, 4TB), USB 3.1	unit	1	7,000.00	7,000.00
	☑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				
103	HDMI Cable, 15M	pc	5	800.00	4,000.00
	Connector Type: HDMI				
	Length:15m				
	Bandwidth: 10.2Gbit/s.				
	Resolution: 4k*2k@60Hz, 4k*2k@30Hz, 1080P 3D.				
	Pure Copper				
	4 standard protective layer shields interference, no delay, no flashing screen, and the picture is stable.				
104	Mouse, Wired, Optical, USB	pc	58	210.00	12,180.00
	☑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				
105	Random Access Memory, DDR4, 3200Mhz, 8GB	pc	75	1,800.00	135,000.00
	Memory Capacity: 8GB				
	Speed: 3200Mhz				
	Error Check: Non-ECC				
	Module Type: DIMM (For Desktop)				
	CAS Latency: CL22				
	Form Factor: DDR4				
	Pins: 288 Pin				
	Memory Voltage: 1.2V				
	JEDEC compliant and durability guaranteed				
106	RJ 45, Passthrough, CAT6	box	3	400.00	1,200.00
	☑100 pc/box				
107	Camera Gimbal Stabilizer	pc	1	1,500.00	1,500.00
	Camera Stabilizer 3-Axis Gimbal Handheld for DSLR Mirrorless Cameras Single,				



	• Grip Design: Single Handgrip (Slanted)				
	• Load Capacity: 4.85 lb / 2.2 kg				
	• Number of Axes: 3-Axis (Pitch (Tilt), Roll, Yaw (Pan))				
	• Wireless Frequency: Video: 2.4 GHz (2.4 - 2.483)				
	• Wireless Protocol: Bluetooth 5.0				
	• Mobile App Compatible: Yes: Android & iOS, App Name: DJI Ronin, Functionality: Adjust Settings, Remote Control, View Live Feed				
	• Mounting: 1 x 1/4"-20 Female, 1 x 3/8"-16 Female				
	• Weight: 2.43 lb / 1.1 kg (with Handlebar)				
	• Inputs/Outputs: 1 x USB-C (Power) Input, 1 x CAN (Control) Input, 1 x RSA Input				
	• Battery Type: 1 x Built-In				
	• Battery Capacity: 2450 mAh / 17.64 Wh				
	• Battery Runtime: 11 Hours				
	• Battery Charging Time: 2.5 Hours				
	• Battery Chemistry: Lithium-Ion Polymer (LiPo)				
	• Voltage: 7.2 VDC				
	• Key feature support: Three-Axis Motorized Gimbal Stabilizer				
	Force Mobile Smartphone Control				
	ActiveTrack 3.0 Subject Tracking				
	360° Panorama & Time-Lapse Control				
	USB Type-C & Bluetooth Control				
	Motor Protection, Quick Release Slider				
	Control & Configure via Android/iOS App				
108	Camera Lens	unit	1	10,000.00	10,000.00
	Compatible to Brand: Canon				
	EF 50mm f/1.8 STM Lens,				
	• Focal Length: 50mm				
	• Maximum Aperture: f/1.8				
	• Minimum Aperture: f/22				
	• Lens Mount: Canon EF				
	• Lens Format Coverage: Full-Frame				
	• Angle of View: 46°				
	• Minimum Focus Distance: 13.78" / 35 cm				
	• Maximum Magnification: 0.21x				
	• Optical Design: 6 Elements in 5 Groups				
	• Diaphragm Blades: 7, Rounded				
	• Focus Type: Autofocus				
	• Image Stabilization: No				
	• Filter Size: 49 mm (Front)				
	• Dimensions (ø x L): 2.72 x 1.54" / 69.2 x 39.2 mm				
109	HDMI to USB Type-C Cable	pc	2	850.00	1,700.00
	USB C to HDMI Type C To HDMI Converter Cable				
	Thunderbolt 3 Adapter, Nylon Braided supports 4k 60Hz, 2-meter length, compatible with MacBook Pro M2/2022/2020/2019, MacBook Air M2/2022/2020/2018				
110	Multi-function Mount	pc	4	600.00	2,400.00
	Multi-functional Mini Ball Head 360°Rotatable Aluminum Alloy				



	Ballhead Adapter Tripod Head 1/4 Inch Screw & Cold Shoe Connection				
111	Portable SSD 1TB	pc	1	5,800.00	5,800.00
	Specifications:				
	Capacity; 1 TB				
	Connector: USB-C				
	Compatibility				
	Compatible laptop or desktop				
	Sequential Read Performance 1050MB/s				
	Sequential Write Performance 1000MB/s				
	Interface				
	USB 3.2 Gen 2				
	In The Box				
	Extreme Portable SSD				
	USB-C to USB-C Cable				
	USB-C to USB-A Adaptor				
	Safety and Warranty Guide.				
112	RG6 (Coax) Cable, 300m	spool	1	5,000.00	5,000.00
113	USB Type-C Charger	pc	2	290.00	580.00
	USB type C Power supply universal compatibility, braided cable, US plug, 100-240V 50/60Hz 500mA input, 18W charging for Blackmagic Design Micro Converter SDI to HDMI 3G				
114	Universal Tower Extension	pc	4	1,300.00	5,200.00
	Extension Cord 16 Gang With Switch WTE-516 Original Authentic				
115	Video Transmitter/Receiver Battery	pc	4	1,500.00	6,000.00
	NP-F770 4400mAh Batteries				
	• Sony L-Series mount				
	• Lithium-Ion				
	• 4400mAh/31.68 capacity				
	• 7.2VDC				
	• compatible with Hollyland Mars 400/400S PRO				
116	Video Transmitter/Receiver Charger	pc	4	1,900.00	7,600.00
	2.1 VDC Power Adapter with US Plug for Mars 300/400/400S, 12 VDC 2 A, 100 to 240 VAC, 50/60 Hz compatible with Hollyland Mars 400/400S				
117	Wireless Mouse	pc	4	500.00	2,000.00
	2.4G Wireless Rechargeable Mouse				
	• USB type-C				
118	Laptop, 13.3", Retina Display, M1 Chip (7 Cores)	unit	1	60,000.00	60,000.00
	M1 chip with 8-core CPU, 7-core GPU, and 16-core Neural Engine or higher				
	13.3-inch (diagonal) LED-backlit display with IPS technology				
	400 nits brightness				
	Wide color (P3)				
	True Tone technology				
	8GB Unified Memory				
	Touch ID sensor				



	Storage: 256GB SSD or higher				
	Operating system: macOS Big Sur				
	(with Bag)				
119	Desktop Computer (i5, 11th Gen) (Assembled)	unit	1	60,000.00	60,000.00
	☐Processor: Intel Core i5-11500 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) 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, 500VA UPS				
	☐Stereo speakers				
120	CCTV IP Camera	pc	5	4,000.00	20,000.00
	☐2MP WDR, with Built-in Mic				
	☐12v, DC				
	☐30m IR range,				
	☐1920x1080 Max. Resolution				
	☐Dome Type				
	☐2.8/4mm fixed lens				
121	DSLR Camera (24.2 MP, APS-C with 18-55mm lens)	unit	1	50,000.00	50,000.00
	☐24.2MP APS-C CMOS Sensor				
	☐3.0" 1.04m-Dot Vari-Angle Touchscreen				
	☐Full HD 1080p Video Recording at 60 fps				
	☐45-Point All Cross-Type AF System				
	☐Dual Pixel CMOS AF				
	☐Expanded ISO 25600, Up to 7 fps Shooting				
	☐Built-In Wi-Fi with NFC/EF-S 18-55mm f/3.5-5.6 IS STM				
122	LCD Projector SVGA (800x600) or higher	unit	1	28,000.00	28,000.00
	☐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				
123	LCD Projector, XGA (1024x768)	unit	3	28,000.00	84,000.00
	☐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				
124	Canon Pixma Ink Bottle,GI-790(Black)	btl	6	400.00	2,400.00
125	Canon Pixma Ink Bottle,GI-790(Cyan)	btl	5	400.00	2,000.00
126	Canon Pixma Ink Bottle,GI-790(Magenta)	btl	5	400.00	2,000.00
127	Canon Pixma Ink Bottle,GI-790(Yellow)	btl	5	400.00	2,000.00
128	Windows 10 Operating System	license	1	10,000.00	10,000.00
	<i>Genuine Windows 10 Volume License</i>				
129	Microsoft Office 2021 Professional Plus Perpetual License	unit	1	7,000.00	7,000.00
	<i>Includes Classic 2021 versions of Word, Excel, PowerPoint, and Outlook, plus Publisher Access and Teams</i>				
	<i>You will receive a License Key Card inside a Sealed Box</i>				
	<i>The License is Perpetual / No Expiration.</i>				
	<i>This is One-time purchase for 1 PC</i>				
	<i>Compatible with Windows 11 and Windows</i>				
	<i>Works with Microsoft Teams</i>				
130	Desktop CPU (Assembled)	unit	1	40,000.00	40,000.00
	<i>CPU Processor: Inter(R) Core(TM) i7-8700 CPU @ 3.20 GHz 3.19 GHz or higher</i>				
	<i>Installed RAM 8.00 GB (7.87 GB usable) or higher</i>				
	<i>System type 64-bit operating system, x64-based processor</i>				
	<i>HD Capacity: 1TB 7200RPM SATA 6Gb/s</i>				
	<i>Windows specifications:</i>				
	<i>Edition: Windows 10 Pro or higher</i>				
	<i>Version 22H2</i>				
	<i>with license microsoft office</i>				
131	Desktop Monitor Only	unit	4	30,000.00	120,000.00
	<i>Gaming Monitor - 27inch, Full HD, 0.5ms*, 165Hz (above 144Hz), G-SYNC Compatible, FreeSync Premium</i>				
	<i>27 inch Full HD gaming monitor with an ultra-fast 165Hz refresh rate and Adaptive-Sync technology to eliminate screen tearing and choppy frame rates</i>				
	<i>Certified as G-SYNC Compatible, FreeSync Premium technology delivering a seamless, tear-free gaming experience by enabling VRR (variable refresh rate) by default.</i>				
	<i>0.5ms* response time for smooth gameplay, and Extreme Low Motion Blur (ELMB) Technology to further reduce ghosting and motion blur</i>				
	<i>GameFast Input Technology minimizes input lag and provides much faster motion delivery from end devices to monitor</i>				
	<i>Supports both Adaptive-Sync with NVIDIA GeForce* graphics cards and FreeSync with AMD Radeon graphics cards</i>				
	<i>*Compatible with NVIDIA GeForce GTX 10 series, GTX 16 series, RTX 20 series and newer graphics cards</i>				
132	Flatbed document scanner w/ ADF, Ethernet and WiFi Capable	unit	1	50,000.00	50,000.00
	☐Color scanning: Yes				
	☐Scan speed ADF: Up to 30 ppm/60 ipm				



	<ul style="list-style-type: none"> ☐ Scan type / Technology Flatbed; ADF / CMOS CIS (Contact Image Sensor) 				
	<ul style="list-style-type: none"> ☐ 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) 				
	<ul style="list-style-type: none"> ☐ Scan file format For text & images: PDF, JPEG, PNG, BMP, TIFF, Text (.txt), Rich Text (rtf) and Searchable PDF 				
	<ul style="list-style-type: none"> ☐ Scan Size ADF: 8.5 x 122 in Maximum; 4.1 x 5.8 in Minimum; Flatbed: 8.5 x 14 in 				
	<ul style="list-style-type: none"> ☐ 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 				
	<ul style="list-style-type: none"> ☐ Duplex ADF scanning 				
	<ul style="list-style-type: none"> ☐ ADF capacity Standard, 50 sheets (75 g/m² paper) 				
	<ul style="list-style-type: none"> ☐ Multi feed detection Yes 				
	<ul style="list-style-type: none"> ☐ Light source (scanning) Light Emitting Diode (LED) 				
	<ul style="list-style-type: none"> ☐ Output resolution dpi settings 75; 150; 200; 240; 300; 400; 500; 600; and 1200 ppi 				
	<ul style="list-style-type: none"> ☐ Twain version TWAIN Certified. Version 2.1 				
	<ul style="list-style-type: none"> ☐ Bit depth / Grayscale levels 24-bits external 48-bits internal/256 				
	<ul style="list-style-type: none"> ☐ Standard connectivity USB 2.0 and USB 3.0; Built-in Fast Ethernet 10/100/1000Base-TX network port 				
	<ul style="list-style-type: none"> ☐ Wireless capability Yes, Wi-Fi 802.11 b/g/n, Wi-Fi 				
	<ul style="list-style-type: none"> ☐ Direct Memory Standard:1 GB Processor speed 				
	<ul style="list-style-type: none"> ☐ 550 MHz / 				
	<ul style="list-style-type: none"> ☐ 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) 				
133	Ink, Epson, 001, Genuine Black 127ml, C13T03Y100	pc	2	650.00	1,300.00
134	Epson 001 ink, Black, 127ml, Genuine	btl	25	600.00	15,000.00
135	Epson 001 ink, Cyan, Genuine	btl	25	350.00	8,750.00
136	Epson 001 ink, Yellow, Genuine	btl	25	350.00	8,750.00
137	Laptop	unit	2	55,000.00	110,000.00
	CPU: 13th Generation Intel® Core™ i5-1335U Processor (12MB Cache, up to 4.60 GHz) or higher				
	Storage: 512GB M.2 PCIe NVMe Solid State Drive or higher				
	RAM: 8GB 4800MHz LPDDR5 Memory Onboard or higher				
	Graphics: Intel® Iris® Xe Graphics				
	Screen: 14.0-inch 16:10 FHD+ (1920 x 1200) Anti-Glare Non-Touch 250nits WVA Display with Comfort View Support				
	Keyboard: Titan Gray English International Backlit Keyboard, Power Button with Fingerprint Reader				
	Wireless: Intel(R) Wi-Fi 6E (6GHz) AX211 2x2 Bluetooth 5.2 Wireless Card				
	Battery: 4-Cell Battery, 54WHr (Integrated), 65 Watt AC Adapter				



	OS: Licensed Windows 11 Home Single Language English				
	OPI: Licensed w/ Microsoft Home & Student 2021				
	Carry Case: Backpack 15				
	Warranty: 24 Months Premium Support and Onsite Service-Retail-PH based				
	(with Bag)				
138	WiFi router	unit	2	2,500.00	5,000.00
	■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				
139	65" Smart TV	unit	1	70,000.00	70,000.00
	Model year: 2022 <i>or later</i>				
	STAND WIDTH (STANDARD POSITION): at least 45.5" (1,153 mm)				
	HDCP:HDCP 2.3 (for HDMI™ 1/2/3)				
	USB DRIVE FORMAT SUPPORT: FAT16/FAT32/NTFS				
	COMPONENT VIDEO (Y/PB/PR) INPUT(S): No				
	HDMI INPUTS TOTAL:3 (3 Side)				
	COMPOSITE VIDEO INPUT(S): 1 (rear)				
	RS-232C INPUT(S): No				
	DIGITAL AUDIO OUTPUT(S):1 (rear)				
	IF (SATELLITE) INPUT(S): No				
	USB HDD RECORDING: No				
	HDMI AUDIO RETURN CHANNEL (ARC): Yes (eARC/ARC)				
	RF (TERRESTRIAL/CABLE) CONNECTION INPUT(S): 1 (Side)				
	HEADPHONE OUTPUT(S): 1 (Side)				
	WI-FI FREQUENCY: 2.4 GHz/5 GHz				
	USB PORTS: 2 (Side)				
	USB PLAYBACK CODECS: MPEG1:MPEG1/MPEG2 PS:MPEG2/MPEG2 TS (HDV, AVCHD):MPEG2, AVC/MP4 (XAVC S):AVC, MPEG4, HEVC, AV1/AVI:Motion.Jpeg/ASF(WMV):VC1/MOV:AVC, MPEG4/MKV:AVC, MPEG4, VP8, HEVC/3GPP:MPEG4, AVC/MP3/ASF(WMA)/LPCM/WAV/MP4AAC/FLAC/JPEG, WEBM:AV1/AC4/ogg/AAC				
	WI-FI STANDARD: Wi-Fi Certified 802.11a/b/g/n/ac				
	CHROMECAST BUILT-IN: Yes				
	APPLE HOMEKIT: Yes				
	BLUETOOTH PROFILE SUPPORT: Version 5.0, HID (mouse/keyboard connectivity)/HOGP (Low Energy device connectivity)/A2DP (stereo audio) 1/AVRCP (AV remote control)/SPP (Serial Port Profile)				
	ETHERNET INPUTS: 1 (rear)				
	APPLE AIRPLAY: Yes				
	Features				
	• Intelligent TV processing with 4K Processor X1				
	• Produces a wide array of colors with dynamic contrast range				



	• Google TV with Google Assistant (1)				
	• Blur-free picture quality with Motionflow XR				
	• Upscale your content to near-4K(2) with 4K X-Reality PRO				
	What's In The Box				
	Table Top Stand				
	Voice Remote Control				
	Batteries				
	AC Power Cord				
	Operating Instructions				
	Quick Setup Guide				
	with free installation				
140	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 : Licensed Windows 10 Home or higher				
	☐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 (with Bag)				
141	Desktop Computer (i7), 11th Gen, 8GB RAM (Assembled)	unit	1	65,000.00	65,000.00
	☐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				
142	Epson 001 ink, Magenta, Genuine	btl	20	350.00	7,000.00
143	Cisco VOIP Phones	unit	1	15,000.00	15,000.00
	Cisco CP-7821-3PCC or Cisco CP-6821-3PCC				
	2 channels with power supply (Existing VSU IPPhone Fleet)				
144	Biometrics Machine	unit	1	8,000.00	8,000.00
	Face Recognition/Fingerprint Time Attendance Recorder				
	High-Speed Identification Less than 1 second				
	TCP/IP Port for Internet Connection				
	Access Port Available to control one lock and exit button				
	Easy to install and user friendly				
145	Smart Phone 128GB 6GB RAM 5G or higher	unit	2	15,000.00	30,000.00
	Technology: GSM / HSPA / LTE / 5G				



	Dual SIM (Nano-SIM, dual stand-by)				
	Display: 6.6 inches or higher				
	Android 14, One UI Core 6 or higher				
	Octa-core (2x2.2 GHz Cortex-A76 & 6x2.0 GHz Cortex-A55) or higher				
	Memory: 128GB 6GB RAM or higher				
	Camera : 50 MP, f/1.8, (wide), PDAF, 2 MP, f/2.4, (macro), 2 MP, f/2.4, (depth)				
	Camera Features: LED flash, panorama, HDR				
	Video: 1080p@30fps				
	3.5mm jack				
	Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct or higher				
	GPS, GLONASS, GALILEO				
	FM radio (Exynos 1330 chipset only), recording				
	Li-Po 5000 mAh, non-removable battery or higher				
	with Charger included				
146	Digital Voice Recorder	pc	1	14,500.00	14,500.00
	Built-in USB Black				
	Micro card slot				
	Stereo mic-in jack				
	Stereo earphone jack				
147	Apple Ipad Keyboard with Trackpad for iPad Air (4th & 5th Gen)	pc	1	8,500.00	8,500.00
	Modes: Type, View, Sketch, Read				
	Keyboard Type: Attached keyboard				
	Backlit Keys: Yes				
	Viewing Angles: 20-60°				
	Power and Connectivity: Powered by iPad via the Smart Connector				
	Case				
	Space to store Apple Pencil (2nd gen)				
	Front and back protection				
	Access all ports: Camera / Lightning				
	Keyboard				
	16 levels of adjustable backlighting				
	Full row of iPadOS shortcut keys				
	18 mm key pitch				
	1 mm key travel				
	Compatibility				
	iPadOS 13.4 or later				
	iPad Air (5th gen)				
	Model: A2588, A2589, A2591				
	iPad Air (4th gen)				
	Model: A2316, A2324, A2325, A2072				
148	Global Positioning System (GPS)	unit	1	35,000.00	35,000.00
	4-inch dual-orientation,				
	glove friendly touchscreen display;				
	8 megapixel autofocus camera;				
	automatically geotags photos; tracks both GPS and GLONASS				



	satellites;				
	1-year birds Eye Satellite Imagery subscription;				
	3-axis compass with barometric altimeter				
149	LCD Projector, XGA (1024x768)	unit	3	28,000.00	84,000.00
	☐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				
150	Desktop Computer, Assembled, 12th Gen Core i5, SDD and HDD	sets	5	49,000.00	245,000.00
	☐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				
151	EPSON INK btl 664 black	btl	25	500.00	12,500.00
152	Epson ink btl 664 magenta	btl	20	400.00	8,000.00
153	Epson L6290 001 Ecotank Ink Black	btls	12	600.00	7,200.00
154	Epson L6290 001 Ecotank Ink Cyan	btls	1	400.00	400.00
155	Epson L6290 001 Ecotank Ink Magenta	btls	1	400.00	400.00
156	Epson L6290 001 Ecotank Ink Yellow	btls	1	400.00	400.00
				TOTAL:	5,650,000.00

DILBERTO O. FERRAREN
BAC Chairman