



BID BULLETIN 02

Date: May 7, 2024

Project Title: Supply and Delivery IT Equipment and Supplies (VSU-GOODS-24-35)

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 1,753,400.00 .)
	Or
	Statement of at least two (2) similar completed contracts w/ total amount of at least Php 1,753,400.00 and the largest of which should be at least Php 876,700.00
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 3,506,800.00)
	Or
	Committed Line of Credit (at least Php 350,680.00)
(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 April – 13 May 2024 until 8:30 AM 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 Five Thousand Pesos (PhP 5,000.00). 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>7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before 13 May 2024 ; 8:30 AM. Late bids shall not be accepted</p> <p>10. Bid opening shall be on 13 May 2024; 9:00 AM at the <i>BAC Conference Room, VSU Market, Visca, Baybay</i></p>	<p><i>(Amendment)</i></p> <p>5. A complete set of Bidding Documents may be acquired by interested Bidders on 22 April – 14 May 2024 until 8:30 AM 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 Five Thousand Pesos (PhP 5,000.00). 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>7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before 14 May 2024 ; 8:30 AM. Late bids shall not be accepted</p> <p>10. Bid opening shall be on 14 May 2024; 9:00 AM at the <i>BAC Conference Room, VSU Market, Visca, Baybay City, Leyte</i> and through video conferencing</p>



<p>City, Leyte and through video conferencing via Zoom. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity</p>	<p>via Zoom. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity</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 #	Description	Unit	Qty	ABC/Unit (Pesos)	Total ABC (Pesos)
1	A4 All-in-One Ink Tank Printer	unit	1	11,000.00	11,000.00
	<i>Printer Type:</i>				
	<i>Printer Type:Print, Scan, Copy</i>				
	<i>Printing Technology:</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:No</i>				
	<i>Print Speed:</i>				
	<i>Photo Default - 10 x 15 cm / 4 x 6 " *1:Approx. 69 sec per photo (Border) / 90 sec per photo (Borderless)*2</i>				
	<i>Draft, A4 (Black / Colour):Up to 33.0 ppm / 15.0 ppm*2</i>				
	<i>ISO 24734, A4 Simplex (Black / Colour):Up to 10.0 ipm / 5.0 ipm*2</i>				
	<i>First Page Out Time from Ready Mode (Black / Colour):Approx. 10 sec / 16 sec*2</i>				
	<i>Copying:</i>				
	<i>Maximum Copies from Standalone:20 copies</i>				
	<i>Maximum Copy Resolution:600 x 600 dpi</i>				
	<i>Maximum Copy Size:A4, Letter</i>				
	<i>ISO 29183, A4 Simplex (Black / Colour):Up to 7.0 ipm / 1.7 ipm</i>				
	<i>Scanning:</i>				
	<i>Scanner Type:Flatbed colour image scanner</i>				
	<i>Sensor Type:CIS</i>				
	<i>Optical Resolution:600 x 1200 dpi</i>				



	Maximum Scan Area:216 x 297 mm				
	Scanner Bit Depth (Colour):48-bit input, 24-bit output				
	Scanner Bit Depth (Grayscale):16-bit input, 8-bit output				
	Scanner Bit Depth (Black & White):16-bit input, 1-bit output				
	Scan Speed:				
	Flatbed (Black / Colour):200dpi: Up to 11 sec/Up to 32 sec				
	Paper Handling:				
	Number of Paper Trays:1				
	Standard Paper Input Capacity:Up to 100 sheets of Plain Paper (80 g/m2)				
	Up to 20 sheets of Premium Glossy Photo Paper				
	Output Capacity:Up to 30 sheets of Plain Paper (80 g/m2)				
	Up to 20 sheets of Premium Glossy Photo Paper				
	Maximum Paper Size:215.9 x 1200 mm				
	Paper Sizes:Legal (8.5 x 14"), Indian-Legal (215 x 345 mm), 8.5 x 13", Letter, A4, 16K (195 x 270 mm), B5, A5, B6, A6, Hagaki (100 x 148 mm), 5 x 7", 5 x 8", 4 x 6", Envelopes: #10, DL, C6				
	Print Margin:0 mm top, left, right, bottom via custom settings in printer driver*3				
	Supported OS and Applications:				
	Operating System Compatibility: Windows XP / XP Professional / Vista / 7 / 8 / 8.1 / 10				
	Windows Server 2003 / 2008 / 2012 / 2016 / 2019				
	Mac OS X 10.6.8 or later				
	Noise Level:				
	PC Printing/ Premium Glossy Photo Paper				
	Best Photo: Sound Power (Black / Colour) 5.1 / 5.2 B(A),				
	Sound Pressure (Black / Colour) 38 / 39 dB(A)				
	PC Printing / Plain Paper Default*4: Sound Power (Black / Colour) 6.4/6.2 B(A), Sound Pressure (Black/Colour) 50/48 dB(A)				
	Dimensions and Weight:				
	Dimensions (W x D x H): 375 x 347 x 179mm				
	Weight: 3.9 kg				
	Electrical Specifications:				
	Rated Voltage: AC 220-240 V				
	Rated Frequency: 50-60 Hz				
	Operating: 14.0 W				
	Sleep: 0.4 W				
	Power Off: 0.2 W				
	Standby: 4.0 W				
	Interface: USB: USB 2.0				
2	Aircon Split Type (2 HP)	unit	1	45,000.00	45,000.00
	Capacity: 2.HP				
	Power Supply: 220,230,60,1 V, Hz, Ph				
	Cooling Capacity: 18,000 Btu/h				
	Cooling Input: 1552W				
	Cooling Current: 6.75A				
	EER: 12.24				



	Air Flow (Hi/Mi/Lo): 848x796x626m3/h				
	Noise Level (Hi/Mi?Lo): 45/39/33 dB (A)				
	Unit Dimension (W*D*H) : 965x203x323mm (Indoor Unit)				
	Weight (Gross) 10.9kg				
	Refrigerant Type: R32				
	Compressor Type: Rotary				
	Unit Dimension(W*D*H):914x343x546mm(outdoor unit)				
	Weight (Gross): 31.7kg				
	Application Area: 23-33 sqm				
	One (1) year warranty on parts and service & compressor				
	free installation with free of at least 10 feet copper tube				
3	Anti-virus Software, at least 3 users	pc	1	5,000.00	5,000.00
	anti-malware, anti-ransom ware, anti-hacking perpetual license				
4	Blender and Mixer	unit	2	6,500.00	13,000.00
	2 in 1 (Blending & Juicer)				
	Capacity of 1500mL Plastic Container and 450W motor				
	2 Speed + Pulse control with Safety switch				
	4 sealing lips for leak prevention				
5	Bottom Loading Water Dispenser	unit	1	14,500.00	14,500.00
	Voltage/frequency: 220V~50Hz				
	Cooling Power: 75W				
	Heating Power Warm & Hot: Rated Power: 425W, Heating Power: 425W				
	Cold & Hot: Rated Power: 500W, Heating Power: 425W				
	Carton Size: 355x325x1040mm				
	Actual Product Size: 320x285x980mm				
	Hot Water Temperature: 85 - 95 Degree Celsius				
6	CMOS battery CR2032	pc	20	50.00	1,000.00
7	Computer Printer, All-in-One/Multifunction Colored-Ink Tank	unit	1	14,000.00	14,000.00
	☑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/Color				
	☑Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology				
	☑Ink Technology: Dye Ink				
	☑Printing Resolution: 5,760 x 1,440 DPI				
8	Epson 001 ink, Black, 127ml, Genuine	btl	3	600.00	1,800.00
9	Genuine Hp laserjet toner 85A (CE285A) black	box	1	2,200.00	2,200.00
10	HP, Laser Jet 107a Toner HP 107A (W1107A), Black	pc	2	3,500.00	7,000.00
11	Ink HP GT52 Cyan (C), Genuine	btl	4	500.00	2,000.00
12	Ink HP GT52 Magenta (M), Genuine	btl	4	500.00	2,000.00
13	Ink HP GT52 Yellow (Y), Genuine	btl	4	500.00	2,000.00
14	INK HP GT53XL 135 ML BLACK	box	4	505.00	2,020.00
15	Ink, Epson 003,Genuine Black 65mL	btl	17	350.00	5,950.00



16	Ink, EPSON 003,Genuine Cyan 65mL	btl	7	350.00	2,450.00
17	Ink, EPSON 003,Genuine Magenta 65mL	btl	7	350.00	2,450.00
18	Ink, EPSON 003,Genuine Yellow 65mL	btl	7	350.00	2,450.00
19	Ink, Epson 664 T664 Black and Color set (Black / Cyan / Magenta / Yellow) for Epson L405	set	1	1,500.00	1,500.00
20	IT Equipment and Paraphernalias	lot	1	324,100.00	324,100.00
	2 units Laptop 14"				
	M3 chip with 8-core CPU, 10-core GPU, 16-core Neural Engine or higher				
	16GB unified memory or higher				
	1TB SSD storage or higher				
	14-inch Liquid Retina XDR display ²				
	70W USB-C Power Adapter				
	Two Thunderbolt / USB 4 ports, HDMI port, SDXC card slot, headphone jack, MagSafe 3 port				
	Backlit Magic Keyboard with Touch ID - US English				
	3 units External Hard Disk Drive (Portable, 1TB), USB 3.1				
	☑Shock-absorbing				
	☑Interface: USB 3.1 (Max.5Gb/s)				
	☑Capacity: 1TB				
	☑Texture: Plastic/Rubber				
	☑Operating Voltage: DC 5V, 900mA				
	☑System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later				
	17 pcs Lapel Voice Amplifier				
	Compact, portable and lightweight				
	☑Lithium-ion power body-pack amplifier				
	☑Power Output: 30W				
	☑Mode: USB/MP3/FM				
	☑Charger Voltage: 10V 450mA				
	☑Frequency response: 100Hz-10KHz±3dB				
	☑Set of: 1 Voice Amplifier, 1 Power Adaptor, 1 Headset Microphone, 1 Body-pack case, 1 Belt Strap, 1 User Manual				
21	LCD Projector (XGA), 3LCD Technology	unit	1	28,000.00	28,000.00
	☑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				
22	Microwave Oven, 20L	unit	1	5,000.00	5,000.00
	20-Liter				
	220V				
	Electronic Control				
	LCD Display				
	700w microwave power				
	6 autocoook functions				
	Reheat and defrost capacity				
	Dimension: (h:w:d) 10.35 x 18 x 14 in				
	Warranty: One year on service, 2 years on parts				
23	SSD	pc	10	1,500.00	15,000.00
	SSD 256GB for Desktop Computer;				
24	Toner cartridge for HP Laserjet 107a , (W1107A)	pc	1	5,000.00	5,000.00
25	VOIP Phone	unit	1	15,000.00	15,000.00
	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 to113°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				
26	Smart TV, 43-inch, LED	set	1	23,000.00	23,000.00
	At least with the ff.:				
	Connectivity: Wi-fi, LAN port				
	USB port: 1				
	TV resolution: 4K ultra HD				
	HDMI ports: 3 x HDMI 2/0				
	Voltage: 100-240V				
	Wattage: 110 watts				
	Processor: A5 Gen5 AI				
	Bluetooth				
	Dolby digital				
	WebOS 22				
	Warranty: 2 years				
	Rebidding (VSU-GOODS-24-23)				
27	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				
28	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				
29	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				
30	Branded Desktop computer 13th Gen i7 or higher with 27" wide monitor	set	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				
	MS Office 2021 or latest perpetual license				
	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				
31	Desktop Computer (i3, 11th Gen) (Assembled)	set	1	40,000.00	40,000.00
	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 				
32	Desktop Computer w/ Monitor, Assembled, Core i5 12Gen, 8GB RAM, GTX 1050Ti or higher	set	6	50,000.00	300,000.00
	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				
	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				
	RAM: 8GB DDR4 3200 MHz CL16, Intel® XMP-ready and XMP Certified, Low-profile heat spreader design or higher				
	SSD: 512 GB M.2 2280 Form Factor PCIe Gen3x4 Interface, read up to :1700 MB, write up: 1550 MB/s or higher				
	HDD: 1TB 7200 RPM, 16MB Cache or higher				
	Casing: mATX/ATX casing with transparent acrylic side panels and Cooler Fan Support: front panel 3*120mm/top 2*120mm/rear 1*120mm				
	Graphics Processor: Nvidia GTX 1050 TI 4GB GDDR5 128 bit(DVI/HDMI/DP)				
	PSU:550w, True Rated Power Supply 80 plus Bronze Rated PSU for Micro ATX and ATX casing or higher				
	Monitor: at least 24" In Plane Switching (IPS), Full HD 1920x1080 Resolution, Response Time: 5ms, Refresh Rate: 75Hz, Brightness: 250 cd/m2				
	Keyboard and Mouse Combo: Spill-resistant design with up to Up to 5 million keystrokes keyboard and full-sized ambidextrous optical mouse				
	Operating System: Genuine Windows 10 or higher				
	UPS at least 800VA				
33	Desktop Computer, with Monitor, Core i5 12th Gen, 8GB RAM (Assembled) or higher	set	1	49,000.00	49,000.00
	☑Processor: 12th Generation Intel® Core™ i5-12400 Processor(2.50 GHz up tp 4.40 GHz) or higher				
	☑Motherboard: Intel® H610 Express Chipset Micro ATX Motherboard, with 6+1+1 Hybrid Digital VRM, High quality capacitors and Anti-sulfur resistors or higher				
	☑Operating System: Genuine Windows 11 Home 64				
	☑Memory: 8 GB DDR4-3200MHz (UDIMM) or higher				
	☑Graphics: Integrated Graphics				
	☑SSD: 256 GB SSD M.2 2280 PCIe or higher				



	☑Casing: mATX casing				
	☑Power supply: at least 450W, True Rated 80+ Bronze				
	☑Monitor: at least 24" FHD (1920 x 1080) IPS Monitor, NTSC 72%, 5ms response time, 60Hz				
	UPS at least 800VA				
34	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 15fps				
35	Epson 188 Black, Cyan, Yellow & Magenta Ink Set of 4 Colors	set	1	5,000.00	5,000.00
	DURAbrite Ultra Ink				
	Max Economy for prints				
	Print up to A3+				
	Mobile printing with Epson Connect				
	For use on WF-7111 / WF-7611 / WF-7211 / WF-7711				
	Average page yield for black ink cartridge: 2,200 pages				
	Average page yield for colour ink cartridge: 1,100 pages				
36	External Hard Disk Drive (Portable, 2TB), USB 3.1	unit	2	5,000.00	10,000.00
	☑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				
37	Flash Drive, 16 GB capacity	pc	20	200.00	4,000.00
38	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: ±0.005% (100-50) Carrier frequency band: 20MHz Frequency band width: when the offset is equal to 40KHz , enter the V6dB,S/N80dB Sensitivity: ±25KHz Maximum deviation: ±95dB(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				
39	Hard Drive, Internal-SATA, 3.5"	unit	4	42,500.00	170,000.00
	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				
40	Ink, EPSON T9481 XL for WF-C878R Printer, Black	tube	6	2,500.00	15,000.00
41	Ink, EPSON T9481 XL for WF-C878R Printer, Cyan	tube	6	2,500.00	15,000.00
42	Ink, EPSON T9481 XL for WF-C878R Printer, Magenta	tube	6	2,500.00	15,000.00
43	Ink, EPSON T9481 XL for WF-C878R Printer, Yellow	tube	6	2,500.00	15,000.00
44	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 back pack				
45	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.				
46	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%sRGB, 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 approx, 1.9kg				
	Operating system: Windows 10 Home or higher (with backpack)				
47	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 backpack)				
	☐Battery and Power: 45W BATTERY				
	☐Operating System: Genuine Windows 10 or higher				
48	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 backpack)				
49	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				



	<i>Operating System - Licensed Windows 10 Pro or higher (with backpack)</i>				
50	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				
51	PVC Card Blank, 500 pc/box, Smart ID Machine, Plain White	box	5	2,000.00	10,000.00
52	PVC Card Blank, 500 pc/box, Smart ID Machine, with MAGSTRIPE	box	5	3,500.00	17,500.00
53	Rechargeable Wireless Keyboard and Mouse Set	unit	4	950.00	3,800.00
	<i>Rechargeable Office Wireless Keyboard and Mouse Set</i>				
	<i>Size: 284*121*16.mm</i>				
	<i>Weight: 280g</i>				
	<i>Connection method: USB receiver/Bluetooth</i>				
54	Solid State Drive, Internal, 2.5", 1TB or higher	unit	4	3,000.00	12,000.00
	<i>SATA Rev. 3.0 (6GB/s) with backward compatibility to SATA Rev. 2.0 (3GB/s)</i>				
	<i>Up to 500MB/s read and 450MB/s write or better</i>				
55	Special SAM Broadcaster PRO Version 2022 or latest Version, License Radio Software	set	1	18,000.00	18,000.00
56	System Unit (CPU), Core i7 8GB RAM (Assembled)	unit	5	40,000.00	200,000.00
	<i>CPU: 9th Gen Intel Core i7-9700 (8-Core, 12MB Cache, up to 4.7GHz with Intel Turbo Boost Technology) or higher</i>				
	<i>SDD: 256GB M.2 PCIe NVMe Solid State Drive or higher + 1TB 7200 rpm 3.5" SATA Hard Drive or higher</i>				
	<i>RAM: at least 8GB (8GBx1) DDR4 2666MHz or higher</i>				
	<i>Graphics: NVIDIA GeForce GTX 1650 4GB GDDR5 or higher</i>				
	<i>ATX casing with 700W PSU</i>				
	<i>With genuine Microsoft Office license.</i>				
	<i>OS: at least Windows 10</i>				
57	UPS (with built-in AVR)	unit	6	17,000.00	102,000.00
	<i>Description:</i>				
	<i>-CPU controlled</i>				
	<i>-Advanced AVR technology</i>				
	<i>-Surge protection</i>				
	<i>-Battery backup</i>				
	<i>-Auto charge in power off mode</i>				
	<i>-Overload and short circuit protection</i>				
	<i>-Resettable Fuse on back panel</i>				
	<i>-LCD display and Audible alarm</i>				
	<i>-3000VA</i>				
	<i>-4 Outlets</i>				
	<i>-Up to 120 Minutes Runtime</i>				
	<i>-AVR</i>				
	<i>Specifications:</i>				



	Input: Voltage: 220V				
	Voltage Range: 175-275V				
	Frequency: 50Hz/60Hz				
	Output: Capacity (Total): 3000VA/1800W				
	Voltage (On Battery): 220V+-5%				
	Frequency: 50Hz/60Hz Sync with Utility Power				
	Transfer Time: 2-6ms Typical				
	Wave Form: Simulated Sine Wave				
	Connection: Universal Outlet x4				
	Battery: Type: Maintenance-Free Sealed Lead-Acid				
	Capacity: 12v/9AHx4				
	Recharging Time: 8Hours > 90%				
	Back up Time (1PC): Up to 120 minutes (Depending on Load)				
58	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				
59	VOIP PHONE	unit	1	15,000.00	15,000.00
	<input checked="" type="checkbox"/> Data networking				
	<input checked="" type="checkbox"/> MAC address (IEEE 802.3)				
	<input checked="" type="checkbox"/> IPv4 (RFC 791)				
	<input checked="" type="checkbox"/> Address Resolution Protocol (ARP)				
	<input checked="" type="checkbox"/> DNS: A record (RFC 1706), SRV record (RFC 2782)				
	Dynamic Host Configuration Protocol (DHCP) client (RFC 2131)				
	<input checked="" type="checkbox"/> Internet Control Message Protocol (ICMP) (RFC 792)				
	<input checked="" type="checkbox"/> TCP (RFC 793)				
	<input checked="" type="checkbox"/> User Datagram Protocol (UDP) (RFC 768)				
	<input checked="" type="checkbox"/> Real-Time Transport Protocol (RTP) (RFC 1889, 1890)				
	<input checked="" type="checkbox"/> Real-Time Control Protocol (RTCP) (RFC 1889)				
	<input checked="" type="checkbox"/> Differentiated Services (DiffServ) (RFC 2475)				
	<input checked="" type="checkbox"/> Type of service (ToS) (RFC 791, 1349)				
	VLAN tagging 802.1p/Q: Layer 2 quality of service (QoS)				
	<input checked="" type="checkbox"/> Simple Network Time Protocol (SNTP) (RFC 2030)				
	<input checked="" type="checkbox"/> Voice gateway				
	<input checked="" type="checkbox"/> SIP version 2 (RFC 3261, 3262, 3263, 3264)				
	SPCP with the Cisco Unified Communications 500 Series				
	SIP proxy redundancy: dynamic via DNS SRV, A records				
	<input checked="" type="checkbox"/> Reregistration with primary SIP proxy server				
	<input checked="" type="checkbox"/> SIP support in NAT networks (including STUN)				
	<input checked="" 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"/>	1 Power supply is optional and is purchased separately 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				
<input type="checkbox"/>	Speakerphone on/off button with LED				
<input type="checkbox"/>	Headset on/off button with LED				
<input type="checkbox"/>	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				
60	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				
61	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				
62	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				
63	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				
64	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				
65	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				
66	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				
67	Computer Monitor 21.5", VA or higher	unit	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				
68	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				
69	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				



	<i>flashing screen, and the picture is stable.</i>				
70	Camera Gimbal Stabilizer	pc	1	1,500.00	1,500.00
	<i>Camera Stabilizer 3-Axis Gimbal Handheld for DSLR Mirrorless Cameras Single,</i>				
	<i>• Grip Design: Single Handgrip (Slanted)</i>				
	<i>• Load Capacity: 4.85 lb / 2.2 kg</i>				
	<i>• Number of Axes: 3-Axis (Pitch (Tilt), Roll, Yaw (Pan))</i>				
	<i>• Wireless Frequency: Video: 2.4 GHz (2.4 - 2.483)</i>				
	<i>• Wireless Protocol: Bluetooth 5.0</i>				
	<i>• Mobile App Compatible: Yes: Android & iOS, App Name: DJI Ronin, Functionality: Adjust Settings, Remote Control, View Live Feed</i>				
	<i>• Mounting: 1 x 1/4"-20 Female, 1 x 3/8"-16 Female</i>				
	<i>• Weight: 2.43 lb / 1.1 kg (with Handlebar)</i>				
	<i>• Inputs/Outputs: 1 x USB-C (Power) Input, 1 x CAN (Control) Input, 1 x RSA Input</i>				
	<i>• Battery Type: 1 x Built-In</i>				
	<i>• Battery Capacity: 2450 mAh / 17.64 Wh</i>				
	<i>• Battery Runtime: 11 Hours</i>				
	<i>• Battery Charging Time: 2.5 Hours</i>				
	<i>• Battery Chemistry: Lithium-Ion Polymer (LiPo)</i>				
	<i>• Voltage: 7.2 VDC</i>				
	<i>• Key feature support: Three-Axis Motorized Gimbal Stabilizer</i>				
	<i>Force Mobile Smartphone Control</i>				
	<i>ActiveTrack 3.0 Subject Tracking</i>				
	<i>360° Panorama & Time-Lapse Control</i>				
	<i>USB Type-C & Bluetooth Control</i>				
	<i>Motor Protection, Quick Release Slider</i>				
	<i>Control & Configure via Android/iOS App</i>				
71	Camera Lens	unit	1	10,000.00	10,000.00
	<i>Compatible to Brand: Canon</i>				
	<i>EF 50mm f/1.8 STM Lens,</i>				
	<i>• Focal Length: 50mm</i>				
	<i>• Maximum Aperture: f/1.8</i>				
	<i>• Minimum Aperture: f/22</i>				
	<i>• Lens Mount: Canon EF</i>				
	<i>• Lens Format Coverage: Full-Frame</i>				
	<i>• Angle of View: 46°</i>				
	<i>• Minimum Focus Distance: 13.78" / 35 cm</i>				
	<i>• Maximum Magnification: 0.21x</i>				
	<i>• Optical Design: 6 Elements in 5 Groups</i>				
	<i>• Diaphragm Blades: 7, Rounded</i>				
	<i>• Focus Type: Autofocus</i>				
	<i>• Image Stabilization: No</i>				
	<i>• Filter Size: 49 mm (Front)</i>				
	<i>• Dimensions (ø x L): 2.72 x 1.54" / 69.2 x 39.2 mm</i>				
72	Multi-function Mount	pc	4	600.00	2,400.00
	<i>Multi-functional Mini Ball Head 360°Rotatable Aluminum Alloy Ballhead Adapter Tripod Head 1/4 Inch Screw & Cold Shoe</i>				



	Connection				
73	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.				
74	RG6 (Coax) Cable, 300m	spool	1	5,000.00	5,000.00
75	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				
76	Universal Tower Extension	pc	4	1,300.00	5,200.00
	Extension Cord 16 Gang With Switch WTE-516 Original Authentic				
77	Video Transmitter/Receiver Battery	pc	4	3,000.00	12,000.00
	NP-F770 4400mAh Batteries				
	• Sony L-Series mount				
	• Lithium-Ion				
	• 4400mAh/31.68 capacity				
	• 7.2VDC				
	• compatible with Hollyland Mars 400/400S PRO				
78	Video Transmitter/Receiver Charger	pc	4	2,500.00	10,000.00
	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				
79	Wireless Mouse	pc	4	500.00	2,000.00
	2.4G Wireless Rechargeable Mouse				
	• USB type-C				
80	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				
	13.3inch (diagonal) LED-backlit display with IPS tech				
	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 backpack)				
81	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				
82	Desktop CPU (Assembled)	unit	1	40,000.00	40,000.00
	CPU Processor: Inter(R) Core(TM) i7-8700 CPU @ 3.20 GHz 3.19 GHz or higher				
	Installed RAM 8.00 GB (7.87 GB usable) or higher				
	System type 64-bit operating system, x64-based processor				
	HD Capacity: 1TB 7200RPM SATA 6Gb/s				
	Windows specifications:				
	Edition: Windows 10 Pro or higher				
	Version 22H2				
	with license microsoft office				
83	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 backpack)				
84	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				
85	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				



	<ul style="list-style-type: none"> ☑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) 				
86	Desktop Computer (i7), 11th Gen, 8GB RAM (Assembled)	set	1	65,000.00	65,000.00
	<ul style="list-style-type: none"> ☑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: at least 24" LED IPS Full HD ☑Keyboard and Mouse UPS at leas 800VA 				
87	Apple Ipad Keyboard with Trackpad for iPad Air (4th & 5th Gen)	pc	1	8,500.00	8,500.00
	<ul style="list-style-type: none"> 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 				
88	Desktop Computer, Assembled, 12th Gen Core i5, SDD and HDD	set	5	49,000.00	245,000.00
	<ul style="list-style-type: none"> ☑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				
	at least 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				
	UPS at leas 800VA				
89	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				
				TOTAL:	3,506,800.00

DILBERTO O. FERRAREN
BAC Chairman