



BID BULLETIN 01

Date: 4 September 2023

Project Title: **Supply and Delivery of I.T Equipment and Supplies (VSU-GOODS-23-36)**

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 2,732,458.50)
	Or
	Statement of at least two (2) similar completed contracts w/ total amount of at least Php 2,732,458.50 and the largest of which should be at least Php 1,366,229.25 .
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 5,464,917.00)
	Or
	Committed Line of Credit (at least Php 546,491.70)
(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 documents for prompt identification. Filename of documents, whichever are applicable to the bidder, should be as follows:

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



3. Create two (2) folders that are password-protected. The first folder should contain all requirements under Technical Component checklist as presented under Section VIII.

The second folder should contain all requirements under Financial Component checklist.

4. Compress the two (2) folders and name as follows: a) first folder: **Technical Documents**, b) second folder: **Financial Documents**.
5. Email the 2 compressed folders to **Mr. Leopoldo S. Escala Jr** at leopoldo.escala@vsu.edu.ph on or 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 <i>19 August – 11 September 2023 until 1:30 PM</i> from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Ten Thousand Pesos (PhP 10,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.</p>	<p><i>(Amendment)</i></p> <p>A complete set of Bidding Documents may be acquired by interested Bidders on <i>19 August – 11 September 2023 until 1:30 PM</i> from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Ten Thousand Pesos (PhP 10,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means:</p> <p>The Bidders may deposit the payment for the bidding documents to the Visayas State University Landbank Account with the following details:</p> <p>Account Name: Visayas State University Fund 164 Account Number: <u>3572-1000-13</u></p> <p>Then send the deposit slip to leopoldo.escala@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 #	Description	Unit	Qty	Unit Price	Total Price
1	1TB, Hard disk Drive, 7200rpm, for desktop	pc	1	3,000.000	3,000.00
	☐11TB				
	☐SATA 6Gb/s interface optimizes burst performance;				
	☐64MB Cache				
	☐Average Data Rate, Read/Write : 156				
	☐Max Sustained Data Rate, OD Read (MB/s) : 210				
	☐Cache, Multisegmented (MB) : 64				
2	4000W Power Inverter + 3A solar controller kit	set	1	5,000.000	5,000.00
	Specifications:				
	Output Voltage 220V				
	Color: Yellow Black				
	Material: Plastic				
	Waveform: Modified Sine Wave				
	Surge Peak Power: 4000W				
	Input voltage: 12V				
	Input voltage Range; 9.5V - 15.5V				
	Output Voltage Range: 220V+ 10%				
	Frequency: 50Hz				
	Efficiency 90%				
	Circuit topology push-pull				
	No load current < 0.7A				
	Low voltage protection: Minimum protection voltage 9.5V				
	High voltage protection: Max protection voltage 15.5V				
	Overload protection: Yes				
	Output short circuit protection: Yes				
	Positive and negative reverse connection protection: YES				
	Output regulation: Yes				
	Display Scree: Display Output Voltage Battery Voltage				
	Input terminal wiring: terminal				
	Output interface: 1Socket, 2* USB				
	USB Output 2.14				
	Car Cigarette Plug Length: 42.5cm/16.7inch				



	Battery clips length 46.8cm / 6.334.4* 2.2 inch				
	(NOTE: see attached specifications)				
3	All-In-One (AIO) Desktop Computer, Core i5 11th Gen, 8GB RAM, 1TB SSD	pc	30	70,000.000	2,100,000.00
	☑Intel® Core™ i5-11500T (1.5 GHz base frequency, up to 3.9 GHz Max Turbo Frequency, 12 MB L3 cache, 6 cores) or higher				
	☑Intel® H470 Chipset or higher				
	☑8 GB DDR4-2933 SDRAM (1 x 8 GB)				
	☑1 TB PCIe® NVMe™ M.2 SSD				
	☑Expansion Slot: 2 x M.2 Expansion Slots Socket 1 2230 type for WLAN Socket 3 Key M type 2280 for SSD (PCIe x4)				
	☑23.8" LED FHD BV TOUCH				
	☑Graphics: NVIDIA® GeForce® MX350 (4 GB GDDR5 dedicated)				
	☑Power Supply: 150 W Smart AC power adapter				
	☑Keyboard: USB white wireless keyboard and mouse combo				
	☑LAN: Integrated 10/100/1000 GbE LAN				
	☑WLAN: Realtek RTL8822CE 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 combo MU-MIMO supported				
	☑Bluetooth: YES				
	☑Ports: "Side: 1 SuperSpeed USB Type-A 5Gbps signaling rate (Battery Charging 1.2) Rear: 3 SuperSpeed USB Type-A 5Gbps signaling rate 1 SuperSpeed USB Type-C® 5 bps signaling rate"				
	☑Card Reader: 3-in-1 memory card reader				
	☑Audio: Audio by B&O				
	☑Genuine Windows 11				
	☑Special Features: EPEAT® Bronze registered; ENERGY STAR® certified;				
	☑Microsoft Office Home & Student 2019 Preinstalled				
4	Audio Mixer, 10-channel Mixer with USB and Effects	unit	1	30,000.000	30,000.00
	GigFX effects engine delivers 24 effects including reverbs, delays, and choruses				
	4 Mic preamps (XLR) deliver clear signal and 60dB of gain				
	Rugged design will stand up to the wear and tear of the road				
	3 Band EQ and 100Hz low-cut filter on all channels				
	Built-in channel compression				
	48-volt phantom power on all mic channels				



	24-bit/192kHz A/D for unmatched audio quality				
	USB for playback music and recording into your computer				
	Balanced XLR and balanced/unbalanced outputs				
5	Automatic Voltage Regulator 1000 W with Time Delay and Uninterruptible Power Supply (UPS)	lot	1	55,000.000	55,000.00
	1. Automatic Voltage Regulator 1000 W with Time Delay- 5 pcs. x PhP 4,000.00= PhP 20,000.00				
	Specifications:				
	Model :SVC-1000N-delete				
	Servo Motor Type				
	Power On Time Delay Protection				
	Capacity Load: 1000Watts Max Surge / 330w Continuous Motorized / 500w Continuous Electronic				
	Voltage Regulation: Servo Motor				
	Power On Delay: Yes, Around 2 Minutes				
	Surge Protection: Yes / FUSE				
	Power Input: 160V to 250Volts AC, 60Hz				
	110V Output: Yes x 1, 2Prong				
	220V Output: Yes x 2, 2Prong				
	Voltage Meter: Yes, Analog				
	Ampere Meter: None				
	Usage: (Home - Yes) / (Commercial - Yes) / (Industrial - No)				
	2. Uninterruptible Power Supply (UPS)- 5 pcs. x PhP 7,000.00= PhP 35,000.00				
	Specifications:				
	Ratings: 2000 VA/ 1200 W				
	Battery- 2x 12V/ 9 Ah				
	Interface- US Standard Socket				
	Form Factor- Tower				
6	Automatic Voltage Regulator, 5000 VA, Servo-motor controlled	pc	1	8,000.000	8,000.00
	Capacity: 5000 VA				
	Input Voltage: 160-240 V				
	Output Voltage: 110/220 V				
	Phase: Single				
	Control System: Servo-Motor Control				
	Response Time: within 4sec against 10%, Input Fluctuation				
	Overload Protection				
	Time Delay Function				



	Analog Volt Meter and Ammeter				
7	Camera	unit	1	55,000.000	55,000.00
	SENSOR TYPE: 1.0-type (13.2 mm x 8.8 mm) Exmor RS® CMOS sensor, aspect ratio 3:2				
	NUMBER OF PIXELS (EFFECTIVE): Approx. 20.1 Megapixels				
	LENS TYPE: ZEISS® Vario-Sonnar® T* Lens, 10 elements in 9 groups (9 aspheric elements including AA lens)				
	F-NUMBER (MAXIMUM APERTURE): F1.8(W)–2.8(T)				
	ND-FILTER: Auto/On (3 steps)/Off				
	FOCAL LENGTH: f = 8.8-25.7 mm				
	ANGLE OF VIEW (35 MM FORMAT EQUIVALENT): 84 deg-34 deg (f = 24-70 mm)3				
	FOCUS RANGE (FROM THE FRONT OF THE LENS): iAuto: AF (W: Approx. 5 cm (0.17 ft) to Infinity, T: Approx. 30 cm (0.99 ft) to Infinity) / Program Auto: AF (W: Approx. 5 cm (0.17 ft) to Infinity, T: Approx. 30 cm (0.99 ft) to Infinity)				
	OPTICAL ZOOM: 2.9x				
	CLEAR IMAGE ZOOM (STILL IMAGE): 20 M Approx. 5.8x/10 M Approx. 8.2x/5.0 M Approx. 11x/VGA Approx. 44x				
	CLEAR IMAGE ZOOM (MOVIE): 4K: 4.35x, HD: Approx. 5.8x				
	DIGITAL ZOOM (STILL IMAGE): 20 M Approx. 11x/10 M Approx. 16x/5.0 M Approx. 23x/VGA Approx. 44x				
	DIGITAL ZOOM (MOVIE): Digital Zoom Approx. 11x				
	SCREEN TYPE: 7.5 cm (3.0 type)(4:3)/1,228,800 dots/Xtra Fine/TFT LCD				
	ADJUSTABLE ANGLE: Up by approx. 180 degrees, down by approx. 45 degrees				
	DISPLAY SELECTOR (FINDER/LCD): Auto/EVF (Manual)/Monitor(Manual)				
	MS ASSIST MAGNIFICATION: 5.3x, 10.7x				
	SCREEN TYPE/NUMBER OF DOTS: 0.39- type electronic viewfinder(OLED), 2,359,296 dots				
	FIELD COVERAGE: 100%				
	MAGNIFICATION: Approx. 0.59x with 50 mm lens at infinity, -1m-1(diopter) (35 mm equiv.)				
	EYE POINT: Approx. 20 mm from the eyepiece, 19.2 mm from the eyepiece frame at -1m-1(diopter) (CIPA standard)				
	DIOPTRIC ADJUSTMENT: -4.0 to +3.0 m-1				
	BRIGHTNESS CONTROL: Auto, Manual (5 steps)				
	IMAGE PROCESSING ENGINE: Yes (BIONZ				



X)				
STEADYSHOT (STILL IMAGE): Optical				
STEADYSHOT (MOVIE): Yes (Intelligent Active Mode, Optical type with electronic compensation, Anti Rolling type)				
FOCUS TYPE: Fast Hybrid AF(phase-detection AF/contrast-detection AF)				
FOCUS MODE: Single-shot AF, Automatic AF, Continuous AF, DMF, Manual Focus				
FOCUS AREA: Wide (315 points (phase-detection AF), 25 points [contrast-detection AF]), Zone, Center, Flexible Spot (S/M/L), Expanded Flexible Spot, Lock on AF Wide/Zone/Center/Flexible Spot(S/M/L)/Expanded Flexible Spot				
LOCK ON AF: Yes				
LIGHT METERING MODE: Multi Pattern, Center-Weighted, Spot, Entire Screen Avg, Highlight				
EXPOSURE COMPENSATION: +/- 3.0 EV, 1/3 EV step				
ISO SENSITIVITY (STILL IMAGE)(RECOMMENDED EXPOSURE INDEX)				
Auto (ISO125-12800, selectable with upper/lower limit), 125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800 (Extendable to ISO80/100),Multi-Frame NR: Auto(ISO125-12800), 200/400/800/1600/3200/6400/12800/2560056				
ISO SENSITIVITY (MOVIE)				
Auto: (ISO125–ISO12800, selectable with upper/lower limit), 125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800				
MINIMUM ILLUMINATION (MOVIE): Auto:1.2 lux(Shutter Speed 1/30")				
WHITE BALANCE MODES: Auto, Daylight, Shade, Cloudy, Incandescent, Fluor.: Warm White, Fluor.: Cool White, Fluor.: Day White, Fluor.: Daylight, Flash, Underwater Auto, C.Temp./Filter, Custom				
WB MICRO ADJUSTMENT: Yes				
SHUTTER SPEED				
iAuto (4" - 1/2000)/Program Auto (30" - 1/2000)/Manual (Bulb, 30" - 1/2000)/Aperture Priority (30" - 1/2000)/Shutter Priority (30" - 1/2000)				
ELECTRONIC SHUTTER				



	iAuto (4" - 1/32000)/Program Auto (30" - 1/32000)/Manual (30" - 1/32000)/Aperture Priority (30" - 1/32000)/Shutter Priority (30" - 1/32000)				
	APERTURE				
	iAuto (F1.8/F11(W)) / Program Auto(F1.8/F11(W)) / Manual(F1.8/F11(W)) / Shutter Priority(F1.8/F11(W)) / Aperture Priority(F1.8/F11(W))				
	IMAGE CONTROL				
	Contrast, Saturation, Sharpness, Creative Style, Color Space (sRGB/Adobe RGB), Quality (RAW/RAW&JPEG (Extra fine, Fine, Standard)/JPEG (Extra fine, Fine, Standard)				
	NOISE REDUCTION				
	Long exposure NR: On/Off, available of shutter speeds longer than 1/3 sec., high ISO NR: Normal/Low/Off, Multi Frame NR: Auto, ISO200-25600				
	DYNAMIC RANGE FUNCTIONS				
	Off, Dynamic Range Optimizer (Auto/Level 1-5), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference Level (1.0–6.0 EV, 1.0 EV step))				
	SHOOTING MODE				
	AUTO(Intelligent Auto/Superior Auto), Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure, MR(Memory Recall) [body 3 sets/memory card 4 sets], Movie Mode(Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure),HFR Mode (Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure), Panorama, Scene Selection				
	SCENE SELECTION				
	Portrait, Sports Action, Macro, Landscape, Sunset, Night Scene, Handheld Twilight, Night Portrait, Anti-Motion Blur, Pet Mode, Gourmet, Fireworks, High Sensitivity				
	CONTINUOUS SHOOTING SPEED (MAXIMUM) (WITH MAX. RECORDING PIXELS)				
	Continuous Shooting Hi: approx. 24fps, Continuous Shooting Mid: approx. 10fps, Continuous Shooting Low: approx. 3.5fps 8910				
	SELF-TIMER				
	10 s / 5 s / 2 s / 3 or 5 consecutive shots with 10 s, 5 s, or 2 s delay selectable / Bracketing shots with 10 s, 5 s, or 2 s delay selectable				
	DRIVE MODES				
	Single, Continuous shooting (Hi/Mid/Lo), Self-timer, Self-timer(cont.), Cont.-bracketing11,				



	Single-bracketing11, White balance bracketing11, DRO bracketing11				
	PANORAMA (SHOOTING): Sweep Panorama				
	PICTURE EFFECT				
	[Still Image]:Toy camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Mono., Soft Focus, HDR Painting, Richtone Monochrome, Miniature, Watercolor, Illustration; [Movie]:Toy camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Mono.				
	CREATIVE STYLE				
	Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn Leaves, Black & White, Sepia, Style Box				
	PICTURE PROFILE				
	off/PP1-PP7(Black Level, Gamma (Movie, Still, Cine1-2, ITU709, ITU709 [800%], S-Log2), Black Gamma, Knee, Color Mode, Saturation, Color Level, Color Phase, Color Depth, Detail, Copy, Reset)				
	NUMBER OF RECOGNISED SCENES				
	Still Image:Superior Auto: 44 / iAuto: 33, Movie:44				
	FLASH MODE: Auto/Flash On/Slow Synchro/Rear Sync/Flash Off				
	FLASH TYPE: Built-in, manual pop-up				
	AF ILLUMINATOR: Auto / Off				
	BRACKETING: Yes				
	FLASH RANGE				
	ISO Auto: Approx.0.4 m to 10.2 m (1.31 ft to 33.46 ft) (W) / Approx. 0.4 m to 6.5 m (1.31 ft to 21.33 ft) (T), ISO12800: up to Approx. 20.4 m (66.93 ft.) (W) / Approx. 13.0 m (42.65 ft.) (T)				
	COMPATIBLE RECORDING MEDIA				
	Memory Stick Duo, Memory Stick PRO Duo, Memory Stick PRO Duo (High Speed), Memory Stick PROHG Duo, Memory Stick Micro1, Memory Stick Micro (Mark2), SD Memory Card, SDHC Memory Card(UHS-I), SDXC Memory Card (UHS-I), microSD Memory Card, microSDHC Memory Card, microSDXC Memory Card				
	RECORDING FORMAT				
	[Still Image]: JPEG(DCF Ver.2.0, Exif Ver.2.31, MPF Baseline compliant), RAW (Sony ARW 2.3 format); [Movie]: XAVC S, AVCHD format Ver.2.0 compatible				



	RECORDING FORMAT (MOVIE AUDIO)				
	XAVC S: LPCM 2ch, AVCHD: Dolby Digital (AC-3) 2ch (Dolby Digital Stereo Creator)				
	COLOUR SPACE (STILL)				
	sRGB, Adobe® RGB				
	DCF/DPOF				
	DCF/DPOF/EXIF/MPF				
	STILL IMAGE NUMBER OF RECORDED PIXELS (IMAGE SIZE)				
	3:2 mode: 20M (5,472 x 3,648) / 10M (3,888 x 2,592) / 5M (2,736 x 1,824), 4:3 mode: 18M (4,864 x 3,648) / 10M (3,648 x 2,736) / 5M (2,592 x 1,944) / VGA, 16:9 mode: 17M (5,472 x 3,080) / 7.5M (3,648 x 2,056) / 4.2M (2,720 x 1,528), 1:1 mode: 13M (3,648 x 3,648) / 6.5M (2,544 x 2,544) / 3.7M (1,920 x 1,920), Sweep Panorama: Wide (12,416 x 1,856/5,536 x 2,160), Standard (8,192 x 1,856/3,872 x 2,160)				
	MOVIE RECORDING MODE (NTSC)				
	NTSC/PAL Selector: [NTSC] AVCHD: 24 M FX (1,920x1,080/60i)/17 M FH (1,920x1,080/60i), XAVC S 4K: 30p 100 M (3,840x2,160/30p)/30p 60 M (3,840x2,160/30p)/24p 100 M (3,840x2,160/24p)/24p 60 M (3,840x2,160/24p), XAVC S HD: 60p 50 M (1,920x1,080/60p)/60p 25 M (1,920x1,080/60p)/30p 50 M (1,920x1,080/30p)/30p 16 M (1,920x1,080/30p)/24p 50 M (1,920x1,080/24p)/120p 100 M (1,920x1,080/120p)/120p 60 M (1,920x1,080/120p)				
	MOVIE RECORDING MODE (PAL)				
	NTSC/PAL Selector: [PAL] mode AVCHD: 24 M FX (1,920x1,080/50i)/17 M FH (1,920x1,080/50i), XAVC S 4K: 25p 100 M (3,840x2,160/25p)/25p 60 M (3,840x2,160/25p), XAVC S HD: 50p 50 M (1,920x1,080/50p)/50p 25 M (1,920x1,080/50p)/25p 50 M (1,920x1,080/25p)/25p 16 M (1,920x1,080/25p)/100p 100 M (1,920x1,080/100p)/100p 60 M (1,920x1,080/100p),				
	HFR				
	(Recording) NTSC/PAL Selector: [PAL] mode XAVC S HD: 50p 50M(1920x1080/250fps), 50p 50M(1920x1080/500fps), 50p 50M(1920x1080/1000fps) / 25p 50M(1920x1080/250fps), 25p 50M(1920x1080/500fps), 25p 50M(1920x1080/1000fps), NTSC/PAL Selector: [NTSC] mode XAVC S HD: 60p 50 M				



(1,920x1,080/240fps), 60p 50 M (1,920x1,080/480fps), 60p 50 M (1,920x1,080/960fps)/30p 50M (1,920x1,080/240fps), 30p 50 M (1,920x1,080/480fps), 30p 50 M (1,920x1,080/960fps)/24p 50 M (1,920x1,080/240fps), 24p 50 M (1,920x1,080/480fps), 24p 50 M (1,920x1,080/960fps) (Sensor Readout Number of effective pixels) Quality Priority: 240fps/250fps (1,824x1,026), 480fps/500fps (1,824x616), 960fps/1000fps (1,244x420)/Shoot Time Priority: 240fps/250fps (1,824x616), 480fps/500fps (1,292x436),960fps/1000fps (912x308)				
STILL IMAGE NUMBER OF RECORDED PIXELS (IMAGE SIZE) DURING MOVIE				
16:9 mode: 17M(5472x3080)/7.5M(3648x2056)/4.2M(2720x1528)				
PROXY RECORDING				
Yes(1280 x 720 [approx. 9 Mbps])				
INPUT AND OUTPUT TERMINALS: Multi/Micro USB Terminal14, High-Speed USB (USB 2.0), Micro HDMI				
NFC: NFC forum Type 3 Tag compatible, One- touch remote, One-touch sharing				
WI-FI: Yes (IEEE802.11b/g/n(2.4 GHz band))				
POWER SOURCE				
DC 3.6 V(supplied battery) / DC 5.0 V(supplied AC Adapter)				
BATTERY SYSTEM				
Rechargeable Battery Pack NP-BX1				
POWER CONSUMPTION (CAMERA MODE)				
Approx. 2.6 W with LCD monitor and approx. 3.0 W with viewfinder (CIPA standard)				
USB CHARGE/USB POWER SUPPLY				
Yes (Shooting, Playback)				
BATTERY LIFE(STILL IMAGES)(CIPA)				
Monitor:Approx. 220 / Approx. 110 min., ViewFinder:Approx. 210/Approx. 105 min.				
BATTERY LIFE(MOVIES ACTUAL SHOOTING)(CIPA)				
Monitor:Approx. 35 min., ViewFinder:Approx. 35 min.				
BATTERY LIFE(MOVIES CONTINUOUS SHOOTING)(CIPA)				
Monitor:Approx. 65 min., ViewFinder:Approx. 65 min.				
DIMENSIONS (W X H X D) (APPROX.)				
101.6x58.1x41.0 mm (4 in x 2 3/8 in x 1 5/8 in)				



	WEIGHT (CIPA COMPLIANT)				
	Approx. 299 g (10.5 oz)(Battery and Memory Stick Duo are included) / Approx. 272 g (9.6 oz)(Body Only)				
8	Canon CL-57 Colored Original Ink Cartridge	pc	20	1,100.000	22,000.00
9	Canon PG-47 Black Original Ink Cartridge	pc	30	700.000	21,000.00
10	CCTV IP Camera	pc	2	4,000.000	8,000.00
	☑2MP WDR, with Built-in Mic				
	☑12v, DC				
	☑30m IR range,				
	☑1920x1080 Max. Resolution				
	☑Dome Type				
	☑2.8/4mm fixed lens				
11	Computer Printer	unit	2	15,000.000	30,000.00
	☑Compact integrated tank design				
	☑Print speeds up to 10.5ipm for black and 5.0ipm for colour				
	☑Auto-duplex printing				
	☑Wi-Fi & Wi-Fi Direct				
	☑Borderless Printing up to A4 size				
	☑Spill-free ink refilling				
	☑Warranty of 2 years or 30,000 pages, whichever comes first				
	☑Printer Type:				
	◀Print, Scan, Copy				
	☑Printing Technology:				
	☑Print Method:				
	◀On-demand inkjet (piezoelectric)				
	☑Minimum Ink Droplet Volume:				
	◀3 pl				
	☑Printer Language:				
	◀ESC / P-R				
	☑Print Direction:				
	◀Bi-directional printing, Uni-directional printing				
	☑Nozzle Configuration:				
	◀180 nozzles Black, 59 nozzles per colour (Cyan, Magenta, Yellow)				
	☑Maximum Resolution:				
	◀5760 x 1440 dpi (with Variable-Sized Droplet Technology)				
	☑Automatic 2-sided Printing:				
	◀Yes (up to A4)				
	☑Print Speed:				
	☑Photo Default - 10 x 15 cm / 4 x 6 " *2:				



	◀1Approx. 69 sec per photo (Border) *1			
	◀Approx. 92 sec per photo (Borderless) *1			
	☑Draft, A4 (Black / Colour):			
	◀Up to 33 ppm / 15 ppm *1			
	☑ISO 24734, A4 Simplex (Black / Colour):			
	◀Up to 10.5 ipm / 5.0 ipm *1			
	☑ISO 24734, A4 Duplex (Black / Colour):			
	◀Up to 6.0 ipm / 4.0 ipm *1			
	☑Copy Speed:			
	☑Copy Quality:			
	◀Draft / Standard / Best Quality			
	☑Maximum Copies from Standalone:			
	◀99 copies			
	☑Reduction / Enlargement:			
	◀25 - 400%, Auto Fit Function			
	☑Maximum Copy Size:			
	◀A4, Letter			
	☑ISO 29183, A4 Simplex Flatbed (Black / Colour):			
	◀Up to 7.7 ipm / 3.8 ipm			
	☑Max Copy Resolution:0			
	◀1440 x 720 dpi			
	☑Scan Function:			
	☑Scanner Type:			
	◀Flatbed colour image scanner			
	☑Sensor Type:			
	◀CIS			
	☑Optical Resolution:			
	◀1200 x 2400 dpi			
	☑Maximum Scan Area:			
	◀216 x 297 mm (8.5 x 11.7 ")			
	☑Scanner Bit Depth (Colour):			
	◀48-bit input, 24-bit output			
	☑Scanner Bit Depth (Grayscale):			
	◀16-bit input, 8-bit output			
	☑Scanner Bit Depth (Black & White):			
	◀16-bit input, 1-bit output			
	☑Scan Speed:			
	☑Flatbed (Black / Colour):			
	◀200 dpi: 11 sec / 200 dpi: 28 sec			
	☑Paper Handling:			
	☑Number of Paper Trays:			



	◀1 (Paper Cassette)				
	☑Standard Paper Input Capacity:				
	◀100 sheets, A4 Plain paper (80 g/m2)				
	◀20 sheets, Premium Glossy Photo Paper				
	☑Output Capacity:				
	◀30 sheets, A4 Plain Paper				
	◀20 sheets, Premium Glossy Photo Paper				
	☑Maximum Paper Size:				
	◀215.9 x 1200 mm (8.5 x 47.24 ")				
	☑Paper Feed Method:				
	◀Friction feed				
	☑Paper Size:				
	◀Legal, 8.5 x 13 ", Letter, A4, 195 x 270 mm, B5, A5, A6, 100 x 148 mm, B6, 5 x 7 ", 4 x 6 ", Envelopes #10, DL, C6				
	☑Print Margin:				
	◀0 mm top, left, right, bottom via custom settings in printer driver (except plain paper) *3				
	☑Card Slot / USB Host Function:				
	☑Type of Direct Printing:				
	◀Memory Device				
	☑Supported Memory Cards:				
	◀SD Memory Card				
	☑Printer Software:				
	☑Operating System Compatibility:				
	◀Windows XP / XP Professional x 64 Edition / Vista / 7 / 8 / 8.1 / 10				
	◀Windows Server 2003 / 2008 / 2012 / 2016				
	◀Only printing and scanning functions are supported for Windows Server OS				
	◀Mac OS X 10.6.8 or later				
	☑Interface:				
	☑USB:				
	◀USB 2.0				
	☑Network:				
	◀Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct				
	☑Network Protocol:				
	◀TCP/IPv4, TCP/IPv6, LPD, IPP, PORT9100, WSD				
12	Computer Printer, All-in-One/Multifunction Colored-Ink Tank	unit	2	14,000.000	28,000.00
	☑Ultra-low-cost printing: Print up to 4,500 pages in black and 7,500 in colour				
	☑Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles				



	☑Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices				
	☑3-in-1: Print, copy & scan and borderless photo printing				
	☑Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color				
	☑Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology				
	☑Ink Technology: Dye Ink				
	☑Printing Resolution: 5,760 x 1,440 DPI				
13	CPU (Central Processing Unit)	pc	1	15,000.000	15,000.00
	☑AMD A10-8770 Processor or higher				
	☑Motherboard compatible with the processor				
	☑Kingston 4GB DDR4-2666 Memory or higher				
	☑CPU Casing w/ PSU				
	☑256GB SSD or higher				
14	Data Cabinet 6U	unit	9	5,000.000	45,000.00
	Front Glass Door				
	With Keylock				
	With Fan				
15	Desktop Computer (w/o Monitor), Core i3 11th Gen, Assembled	unit	1	24,000.000	24,000.00
	☑Processor: Intel Core i3-11300 (4 cores /8 threads) or higher				
	☑Motherboard: Intel H510M Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1200				
	☑Memory: 8GB DDR4 2933 DIMM Desktop Memory or higher				
	☑SSD: 240GB NVMe or higher				
	☑Casing with Power Supply				
	☑Operating System: Genuine Windows 10 Home (OEM)				
	☑w/ USB Keyboard and Mouse				
16	Desktop Computer, Assembled, 12th Gen Core i3, 8GB RAM with Monitor and 600W Bronze PSU, No OS	unit	2	27,000.000	54,000.00
	Processor: Intel i3-12100 4C/8T 3.30 GHz up to 4.30 GHz, with Intel® UHD Graphics 730 or higher				
	Motherboard: Intel H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher				
	RAM: 8GB DDR4 3200MHz or higher				
	SSD: 250 GB SATA III, read speeds up to 550 MB/s or higher				



	Generic mATX casing				
	600W 80 plus Bronze Certified PSU				
	Monitor				
	Size: 21.5"				
	Panel Type: VA				
	Resolution: 1920x1080 (FHD)				
	Refresh Rate: 75Hz				
	Response Time: 5MS				
	Interface: VGA, HDMI				
	With a slim and 3-sided frameless design				
	Flicker Free and Low Blue Mode eye protection technology				
	VESA mount compatibility				
17	Desktop Computer, with Monitor, Core i5 12th Gen, 8GB RAM	sets	3	49,000.000	147,000.00
	☑Processor: 12th Generation Intel® Core™ i5-12400 Processor(2.50 GHz up tp 4.40 GHz) or higher				
	☑Motherboard: Intel® H610 Express Chipset Micro ATX Motherboard, with 6+1+1 Hybrid Digital VRM, High quality capacitors and Anti-sulfur resistors or higher				
	☑Operating System: Genuine Windows 11 Home 64				
	☑Memory: 8 GB DDR4-3200MHz (UDIMM) or higher				
	☑Graphics: Integrated Graphics				
	☑SSD: 256 GB SSD M.2 2280 PCIe or higher				
	☑Casing: mATX casing				
	☑Power supply: at least 450W, True Rated 80+ Bronze				
	☑Monitor: 24" FHD (1920 x 1080) IPS Monitor, NTSC 72%, 5ms response time, 60Hz				
18	Digital Multimeter	pc	1	7,000.000	7,000.00
	DCV: 400m/4/40/400/1000V				
	ACV: 4/40/400/1000V ±(1.2%+7)				
	DCA: 400µ/4000µ/40m/400m/4/10A				
	ACA: 400µ/4000µ/40m/400m/4/10A				
	Resistance: 400/4k/40k/400k/4M/40MΩ				
	Capacitance: 50n/500n/5µ/50µ/100µF				
	Frequency: 5/50/500/5k/50k/100kHz				
	Continuity: Buzzer sounds and LED lights up at between 0Ω and 85Ω (±45Ω) . Open voltage:Approx. 0.4V				
	Diode test: Open voltage:approx.1.5V				
	Battery Check: Approximate value (30Ω load) 1.5V battery only				



	Display numeral display: 4000				
	Sampling rate: 3 times/sec.				
	Bandwidth: 40~400Hz (Sine wave)				
	Fuse: 0.5A/1000V 30kA Φ6.35×32mm 10A/1000V 30kA Φ10×38mm				
	Battery: R6Px2				
	Battery life: Approx.400h (manganese battery) at DCV range Safety: IEC61010CAT.Ⅲ600V/CAT.Ⅱ 1000VDCV: 400m/4/40/400/1000V				
	ACV: 4/40/400/1000V ±(1.2%+7)				
	DCA: 400μ/4000μ/40m/400m/4/10A				
	ACA: 400μ/4000μ/40m/400m/4/10A				
	Resistance: 400/4k/40k/400k/4M/40MΩ				
	Capacitance: 50n/500n/5μ/50μ/100μF				
	Frequency: 5/50/500/5k/50k/100kHz				
	Continuity: Buzzer sounds and LED lights up at between 0Ω and 85Ω (±45Ω) . Open voltage:Approx. 0.4V				
	Diode test: Open voltage:approx.1.5V				
	Battery Check: Approximate value (30Ω load) 1.5V battery only				
	Display numeral display: 4000				
	Sampling rate: 3 times/sec.				
	Bandwidth: 40~400Hz (Sine wave)				
	Fuse: 0.5A/1000V 30kA Φ6.35×32mm 10A/1000V 30kA Φ10×38mm				
	Battery: R6Px2				
	Battery life: Approx.400h (manganese battery) at DCV range				
	Safety: IEC61010CAT.Ⅲ600V/CAT.Ⅱ 1000V				
19	Electronics Tools and Instruments	lot	1	138,000.000	138,000.00
	Digital Multimeter -> 10 units – PhP 130,000.00				
	For measuring AC & DC current, resistance, capacitance, continuity, frequency, duty cycle and diode				
	Toolbox -> 2 units – PhP 2,000.00				
	Dimensions: 494 x 263 x 250 mm				
	With removable tote tray				
	Lineman Pliers Set -> 1 unit – PhP 2,000				
	3-pc Set of Insulated Chrome Vanadium Steel of:				
	Regular pliers, Long Nose pliers, and Diagonal Cutting pliers				
	Extra Long Nose Pliers Set -> 1 unit – PhP 3,000				



	1 pc. 0° Plier Length: 285mm/ 11.22inch.				
	1 pc. 45° Plier Length: 280mm/ 11..02inch.				
	1 pc. 90° Plier Length:265mm/ 10.43inch.				
	1 pc. O Shape Plier Length: 275mm/ 10.83inch.				
	Multi-functional automatic wire stripping pliers -> 1 unit – PhP 1,000				
	Self-adjusting Automatic Wire Stripper/Cutting Pliers for wire stripping, cutting, crimping, and installing TAB Terminal				
20	Epson 001 ink, Black, 127ml, Genuine	btls	6	600.000	3,600.00
21	Epson 001 ink, Cyan, Genuine	btls	3	350.000	1,050.00
22	Epson 001 ink, Magenta, Genuine	btls	3	350.000	1,050.00
23	Epson 001 ink, Yellow, Genuine	btls	2	350.000	700.00
24	Epson 003 Ink Bottle for Epson L3150, Black, , Genuine	btls	20	400.000	8,000.00
25	Epson 003 Ink Bottle for Epson L3150, CYAN, , Genuine	btls	10	400.000	4,000.00
26	Epson 003 Ink Bottle for Epson L3150, MAGENTA, , Genuine	btls	10	400.000	4,000.00
27	Epson 003 Ink Bottle for Epson L3150, YELLOW, , Genuine	btls	10	400.000	4,000.00
28	External Hard Disk Drive (Portable, 1TB), USB 3.1	unit	2	3,500.000	7,000.00
	☑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				
29	External Hard Drive, 1 TB	unit	2	3,000.000	6,000.00
	Transcend TS1TTSJ25M3 Slim 1TB Portable Hard Drive (Green) with 3 YEARS				
	Capacity: 1TB				
	Connection interface: USB 2.0/3.0				
	Storage Media: 2.5" SATA HDD				
	Op. Voltage: USB DC 5V				
	Size :129.5mm x 82.4mm x 20.4mm				
	Weight: 216g				
30	External Solid State Drive, (Portable, 500GB), USB 3.1	pc	1	6,000.000	6,000.00
	Storage Capacity: 500 GB or higher				
	Connection Interface: 1 x USB 3.1 (USB Type-C)				
	Maximum Read Speed: 550 MB/s				
	Type Solid-State Drive				



	Form Factor: 2.5"				
	Cooling System Passive				
	Environmental Resistance Shock				
	IP Rating IP55				
31	Flash Drive, 128GB, USB 3.0	pc	3	1,500.000	4,500.00
	▣Capacity:128GB				
	▣Interface: USB 3.0				
	▣Speed: 100MB/s read, 10MB/s write				
32	Flash Drive, at least 32GB USB 3.0	pc	7	800.000	5,600.00
33	HAIER HSU-18NSV13(DC) Board	pc	1	4,000.000	4,000.00
	PCB NO.A 500201 - 100Q; replacement part				
34	Hard Drive (2 TB)	pc	1	3,000.000	3,000.00
35	Ink, Epson 003,Genuine Black 65mL	btl	32	350.000	11,200.00
36	Ink, EPSON 003,Genuine Cyan 65mL	btl	15	350.000	5,250.00
37	Ink, EPSON 003,Genuine Magenta 65mL	btl	18	350.000	6,300.00
38	Ink, EPSON 003,Genuine Yellow 65mL	btl	15	350.000	5,250.00
39	Ink, Epson, genuine, (BK) T664, 70 ml	pc	50	350.000	17,500.00
40	LAN Cable Cat6 UTP cable	box	2	10,000.000	20,000.00
	LAN Cable Cat6 UTP cable, AWG# 23, (305m/box) ISO Certified, UL listed;				
41	Laptop	unit	1	55,000.000	55,000.00
	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 of 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: Windows 11 Home Single Language English				
	OPI: w/ Microsoft Home & Student 2021				
	Carry Case: Backpack 15				
	Warranty: 24 Months Premium Support and Onsite Service-Retail-PH based				
42	Laptop 14" (i5)	unit	2	49,500.000	99,000.00
	▣Processor: Intel Core i5-1035G1 Processor				



	1.0 GHz 6M Cache, up to 3.60 GHz or higher				
	☑Operating system: Windows 10 Home				
	☑Memory: 4GB memory, 1 x SO-DIMM socket (for expansion) or higher				
	☑Display: 14.0" (16:9) LED-backlit FHD (1920x1080) 60Hz Anti-Glare Panel with 45% NTSC				
	☑Video Processor: NVIDIA GeForce MX330 , with 2GB GDDR5 VRAM or higher				
	☑Storage: 512GB PCIe Gen3 x2 SSD				
43	Laptop 14", Core i5 11th Gen, 8GB RAM, 512GB SSD - 3 units of laptops	lot	1	159,000.000	159,000.00
	☑Processor: Intel® Core™ i5-1155G7 (up to 4.5 GHz with Intel® Turbo Boost Technology(2g), 8 MB L3 cache, 4 cores, 8 threads) or higher				
	☑8 GB DDR4-3200 MHz RAM (2 x 4 GB) or higher				
	☑512 GB PCIe® NVMe™ M.2 SSD or higher				
	☑14" FHD (1920 x 1080), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, 250 nits, 45% NTSC				
	☑Graphics: Intel® Iris® Xe Graphics				
	☑Batt: 3-cell, 43 Wh Li-ion polymer				
	☑WLAN: Realtek Wi-Fi CERTIFIED 6™ (1x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate) MU-MIMO supported "				
	☑Bluetooth: YES				
	☑Ports: 1 SuperSpeed USB Type-C® 10Gbps signaling rate,2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 headphone/microphone combo; 1 AC smart pin; 1 HDMI 2.0				
	☑Audio: Dual speakers; Audio by B&O				
	☑ENERGY STAR® certified; EPEAT® Silver registered;				
	☑Genuine Windows 10 Home				
	☑Microsoft Office Home & Student Preinstalled				
44	Laptop, 14" (i7)	unit	1	75,000.000	75,000.00
	☑Processor: Intel Core i7 10th generation or higher				
	☑Graphics: NVIDIA GeForce MX250 at least 2GB GDDR5				
	☑Memory: at least 8GB DDR4-2666				
	☑Storage: at least 256GB SSD M.2 + 1TB HDD				
	☑Display: 14" FHD (1920x1080) IPS 250nits Anti-glare				
	☑Touchscreen: None				
	☑Optical: None				



	☑Media Reader: 4-in-1 Card Reader				
	☑Ethernet: None				
	☑WLAN + Bluetooth				
	☑Camera: at least 720p				
	☑Microphone: at least 2x, Array				
	☑Operating System: licensed Windows 10 Home or Pro				
	☑Bundled Software: Microsoft Office Perpetual License				
	☑Repair and replacement should be at most 3 month from returning the unit				
	☑at least 3 years Warranty				
	☑FREE: Backpack				
45	LCD Projector (XGA), 3LCD Technology	unit	3	25,000.000	75,000.00
	☑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				
46	Network Switch (#1)	unit	1	11,000.000	11,000.00
	Standards and Protocols IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.3ad, IEEE 802.3az, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1x, IEEE 802.1p				
	Interface 8 10/100/1000Mbps RJ45 ports (Auto Negotiation/Auto MDI/MDIX)				
	2 Gigabit SFP Slots				
	1 RJ45 Console Port				
	1 Micro-USB Console Port				
	Network Media10BASE-T: UTP category 3, 4, 5 cable (maximum 100m)				
	100BASE-TX/1000Base-T: UTP category 5, 5e, 6 or above cable (maximum 100m)				
	1000BASE-X: MMF, SMF				



Fan Quantity	Fanless			
Physical Security Lock	Yes			
Power Supply	100~240VAC, 50/60Hz			
Dimensions (W x D x H)	11.6 x 7.1 x 1.7 in. (294 x 180 x 44 mm)			
Mounting	Rack Mountable			
Max Power Consumption	6.836 W (220 V/50 Hz)			
Max Heat Dissipation	23.32 BTU/h			
PERFORMANCE				
Bandwidth/Backplane	20Gbp			
Packet Forwarding Rate	14.9Mpps			
MAC Address Table	8k			
Packet Buffer Memory	4.1 Mbit			
Jumbo Frame	9216 Bytes			
SOFTWARE FEATURES				
Quality of Service	Support 802.1p CoS/DSCP priority			
Support 4 priority queues				
Queue scheduling: SP, WRR, SP+WRR				
Port/Flow- based Rate Limiting				
Voice VLAN				
L2 Features	IGMP Snooping v1/v2/v3			
MLD v1/v2 Snooping				
802.3ad LACP (Up to 8 aggregation groups, containing 8 ports per group)				
Spanning Tree STP/RSTP/MSTP				
Port isolation				
BPDU filtering/guard				
TC/Root protect				
Loop back detection				
802.3x Flow Control				
LLDP/LLDP-MED				
DHCP VLAN Relay				
L2PT				
VLAN	Supports up to 4K VLANs simultaneously (out of 4K VLAN IDs)			
MAC/Protocol-based VLAN				
GARP/GVRP				
VLAN VPN (QinQ)				
Management VLAN configuration				
Access Control List	L2~L4 package filtering based on source and destination MAC address, IP address, TCP/UDP ports, 802.1p, DSCP, protocol and VLAN ID;			



	Time Range Based				
	Security IP-MAC-Port-VID Binding				
	AAA				
	DHCP Snooping				
	IEEE 802.1X Port/MAC Based authentication, Radius, Guest VLAN				
	DoS Defend				
	Dynamic ARP inspection (DAI)				
	SSH v1/v2				
	SSL v2/v3/TLSv1				
	Port Security				
	Broadcast/Multicast/Unknown-unicast Storm Control				
	PPPoE				
	IPv6 Dual IPv4/IPv6 stack				
	Multicast Listener Discovery (MLD) Snooping				
	IPv6 neighbor discovery (ND)				
	Path maximum transmission unit (MTU) discovery				
	Internet Control Message Protocol (ICMP) version 6				
	TCPv6/UDPv6				
	IPv6 Applications DHCPv6 Client				
	Ping6				
	Tracert6				
	Telnet(v6)				
	IPv6 SNMP				
	IPv6 SSH				
	IPv6 SSL				
	Http/Https				
	IPv6 TFTP				
	Management Web-based GUI and CLI management				
	SNMP v1/v2c/v3,compatible with public MIBs and TP-LINK private MIBs				
	RMON (1, 2, 3, 9 groups)				
	DHCP/BOOTP Client,DHCP Snooping,DHCP Option82				
	CPU Monitoring				
	Port Mirroring				
	Dual Image				
	Time Setting: SNTP				
	Firmware Upgrade: TFTP & Web				
	System Diagnose: VCT				
	SYSLOG & Public MIBS				



	OTHERS				
	Certification CE, FCC, RoHS				
	Package Contents Switch; Power Cord; Quick Installation Guide; Resource CD; Rackmount Kit; Rubber Feet				
	System Requirements Microsoft® Windows® 10, 8, 7, Vista™, XP or MAC® OS, NetWare®, UNIX® or Linux.				
	Environment Operating Temperature: 0°C~40°C (32°F~104°F);				
	Storage Temperature: -40°C~70°C (-40°F~158°F)				
	Operating Humidity: 10%~90% non-condensing				
	Storage Humidity: 5%~90% non-condensing				
47	RAM	pcs	30	1,000.000	30,000.00
	RAM, 8GB DDR3 1333MHz for desktop computer;				
48	SSD	pcs	30	1,500.000	45,000.00
	SSD 256GB for Desktop Computer;				
49	Stereo Speaker for PC Desktop	pc	1	10,000.000	10,000.00
	Product Description				
	Quantum Duo PC speakers with the different color presets and lighting patterns				
	General Specifications:				
	Output power (W)20				
	Audio Specifications:				
	Dynamic frequency response range (Hz)				
	60 Hz - 20K Hz				
	Dimensions:				
	Dimensions (cm)				
	8.9 x 21 x 17.6				
	Dimensions (in)				
	3.5 x 8.3 x 6.9				
	Weight (kgs) 2.8				
	Weight (lbs)6.2				
	Control and Connection Specifications:				
	Bluetooth profiles				
	A2DP v1.3, AVRCP v1.5				
	Bluetooth frequency				
	2402 MHz - 2480 MHz				
	Bluetooth transmitted modulation				
	GFSK, π/4 DQPSK, 8DPSK				
	Bluetooth transmitter power				
	≤ 12.5 dBm (EIRP)				



	Bluetooth version				
	4.2				
50	Tablet 10.9", 64GB, Wifi + Cellular	unit	1	42,000.000	42,000.00
	☑64GB Storage Capacity				
	☑A14 Bionic chip with 64-bit architecture, Neural Engine				
	☑10.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology				
	☑2360-by-1640-pixel resolution at 264 pixels per inch (ppi)				
	☑Wide color display (P3)				
	☑True Tone display				
	☑Fingerprint-resistant oleophobic coating				
	☑Fully laminated display				
	☑Antireflective coating				
	☑12MP Wide camera				
	☑f/1.8 aperture				
	☑Five-element lens				
	☑Hybrid IR filter				
	☑4K video recording at 24 fps, 30 fps, or 60 fps				
	☑1080p HD video recording at 30 fps or 60 fps				
	☑Slo-mo video support for 1080p at 120 fps or 240 fps				
	☑7MP photos				
	☑f/2.2 aperture				
	☑1080p HD video recording at 60 fps				
	☑Wide color capture for photos and Live Photos				
	☑Smart HDR				
	☑Stereo speakers				
	☑Dual microphones for calls, video recording, and audio recording				
	☑802.11ax Wi-Fi 6; simultaneous dual band (2.4GHz and 5GHz); HT80 with MIMO				
	☑UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz)				
	☑Gigabit-class LTE (Bands 1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 17, 18, 19, 20, 21, 25, 26, 29, 30, 34, 38, 39, 40, 41, 66, 71)4				
	☑Bluetooth 5.0 technology				
51	Tablet Computer, 8", 32GB ROM	pc	2	9,500.000	19,000.00
	☑Display Size 8.0"				
	☑OS Android 9.0 (Pie)				
	☑Battery: 5100mAh				
	☑RAM: 2GB				



	☑ROM: 32GB				
	☑External Memory Support: MicroSD Up to 512GB				
	☑Card slot microSDXC (dedicated slot)				
	☑Chipset Qualcomm SDM429 Snapdragon 429 (12 nm)				
	☑CPU Quad-core 2.0 GHz Cortex-A53				
	☑GPU Adreno 504				
	☑SIM Nano-SIM				
	☑Rear Camera Flash: No				
	☑Video Recording Resolution: FHD(1920 x 1080)@30fps				
	☑OS: Android 9.0 (Pie)				
52	Tablet Pencil	pc	1	8,690.000	8,690.00
	Pencil (2nd generation)				
	Length: 6.53 inches (166 mm)				
	Diameter: 0.35 inch (8.9 mm)				
	Weight: 0.73 ounce (20.7 grams)				
	Connections				
	Bluetooth				
	Other Features				
	Magnetically attaches and pair				
53	Temperature-Humidity Data Logger	pc	5	2,000.000	10,000.00
	☑Portable and hand-held				
	☑16000 data recording capacity.				
	☑Adjustable record interval: 10s~24hour				
	☑Multi-function LCD				
	☑Internal NTC temperature thermal sensor with optional external sensor				
	☑Data export in PDF/EXCEL via data management software				
	☑Selectable °F/°C temperature unit				
	☑Size: approx. 84 (L) x 44(W) x 20 (H) mm				
	☑Good quality				
	☑Durable				
54	Ubiquiti Unifi 8 Port PoE+150W SFP Switch	pc	4	18,000.000	72,000.00
	☑Switching Capacity: 20Gbps				
	☑Forwarding Rate: 14.48Mbps				
	☑Power Method: 100-240VAC/50-60Hz, Universal Input				
	☑Power Supply: AC/DC, Internal, 150 W DC				
	☑LED Per Port: RJ45 Data Ports: PoE				
	☑Compatible with existing fleet				
55	Ubiquiti Unifi HD Access Point 802.11 AC Wave 2 MU-MIMO Indoor / Outdoor High	unit	7	18,000.000	126,000.00



	Density Access Point				
	<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				
56	UPS, Smart UPS, 2000VA	pc	1	35,000.000	35,000.00
	☑Max Configurable Power (Watts): 1.6kWatts / 2.0kVA				
	☑Output Voltage Note: Configurable for 220 : 230 or 240 nominal output voltage				
	☑Efficiency at Full Load: 88.0 %				
	☑Output Frequency (sync to mains): 50/60 Hz +/- 3 Hz Sync to mains				
	☑Other Output Voltages: 220 V, 240 V\				
	☑Load Crest Factor: 3 : 1				
	☑Topology: Double conversion online				
	☑Input frequency: 40 - 70 Hz				
	☑Input voltage range for main operations: 110 - 285 Adjustable (half load), 160 - 280V				
	☑Number of Power Cords: 1				
	☑Efficiency at Full Load: 88.0 %				



	☑Other Input Voltages: 220 V, 240 V				
	☑Waveform type: Sine wave				
	☑Bypass: Internal bypass (automatic and manual)				
	☑Battery type: Lead-acid battery				
	☑Typical recharge time: 4hour(s)				
	☑Battery Charge Power (Watts): 76 Watts				
	☑Interface Port(s): DB-9 RS-232, USB				
	☑Control panel: Multifunction LCD status and control console				
	☑Audible Alarm: Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm				
	☑Surge energy rating: 600Joules				
57	Various Electronic Components and Supplies	lot	1	59,500.000	59,500.00
	HDMI Cable -> 10 units – PhP 10,000				
	10 meters				
	830 breadboard set electronic component basic starter kit with breadboard cable resistor capacitor led potentiometer -> 20 units – PhP 12,000				
	1 power supply				
	1 830-point breadboard				
	65 pcs jumper wires				
	140 pcs solderless jumper wires				
	20 pcs female-to-male dupont wire				
	2 pcs pin header (40 pin)				
	1 precision potentiometer				
	2 photoresistors				
	1 thermistor				
	5 pcs rectifier diode (1N40007)				
	5 pcs NPN transistor (PN2222)				
	1 IC 4N35				
	1 IC 74HC595				
	1 active buzzer				
	1 passive buzzer				
	10 pcs button (small)				
	10 pcs 22pF ceramic capacitor				
	10 pcs 104 ceramic capacitor				
	5 pcs electrolytic capacitor (10uF, 50V)				
	5 pcs electrolytic capacitor (100uF, 50V)				
	10 pcs white LED				
	10 pcs yellow LED				



10 pcs blue LED				
10 pcs green LED				
10 pcs red LED				
10 pcs RGB LED				
10 pcs 10R resistor				
10 pcs 100R resistor				
10 pcs 220R resistor				
10 pcs 330R resistor				
10 pcs 1K resistor				
10 pcs 2K resistor				
10 pcs 5K1 resistor				
10 pcs 10K resistor				
10 pcs 10K resistor				
10 pcs 1M resistor				
Single-Sided Copper Clad Board FR4 With 35µm Copper Thick, 200 x 300 x 1.6mm -> 2 units – PhP 3,000				
PCB Developing Kit with Transfer Film -> 1 unit – PhP 2,000				
Non-Corrosive Soldering Paste (used for welding and desoldering) -> 1 unit – PhP 100				
Soldering Iron -> 6 units – PhP 1,200				
Mini Soldering Iron with Adjustable Temperature, 60W				
Soldering Iron Stand -> 6 units – PhP 900				
Stainless Steel spiral, 90mm long				
Desoldering Pump -> 2 units – PhP 300				
Replaceable and Self Cleaning tip				
Sealed vacuum chamber				
Microcontroller -> 10 units – PhP 30,000				
microcontroller board (ATmega328P based)				
14 digital inputs/outputs (six of which can be used as PWM outputs)				
six analog inputs				
has a 16MHz ceramic resonator				
has a USB-C connector				
has a reset button				
CIRCUIT OPERATING VOLTAGE: 5V				
INPUT VOLTAGE (LIMIT): 6-12V				
BATTERY CONNECTOR: None.				
DC CURRENT PER: I/O PIN 20 mA				
DC CURRENT FOR: 3.3V PIN 50 mA				
MAIN PROCESSOR: ATmega328P 16 MHz				



	USB-SERIAL PROCESSOR: ATmega16U2 16 MHz				
	MEMORY: ATMEGA328P 2KB SRAM, 32KB FLASH, 1KB EEPROM				
58	Wifi Access Point (Existing fleet of VSU Access Points)	unit	1	12,000.000	12,000.00
	UAP-nanoHD				
	Dimensions: 160 x 160 x 32.65 mm (6.30 x 6.30 x 1.29")				
	Weight: 300 g (10.6 oz)				
	With Mounting Kits: 315 g (11.1 oz)				
	Networking Interface: (1) 10/100/1000 Ethernet Port				
	Buttons: Reset				
	Power Method: 802.3af PoE				
	Power Supply: UniFi Switch (PoE)				
	Power Save: Supported				
	Beamforming: Supported				
	Maximum Power Consumption: 10.5W				
	Supported Voltage Range: 44 to 57VDC				
	TX Power				
	2.4 GHz: 23 dBm				
	5 GHz: 26 dBm				
	MIMO				
	2.4 GHz: 2x2				
	5 GHz: 4x4				
	Radio Rates				
	2.4 GHz: 300 Mbps				
	5 GHz: 1733 Mbps				
	Antennas				
	2.4 GHz: (2) Single-Port, Single-Polarity Antennas, 2.8 dBi each				
	5 GHz: (2) Single-Port, Dual-Polarity Antennas, 3 dBi each				
	Wi-Fi Standards: 802.11 a/b/g/n/r/k/v/ac/ac-wave2				
	Wireless Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES), 802.11w/PMF				
	BSSID: 8 per Radio				
	Mounting: Wall/Ceiling (Kits Included)				
	Operating Temperature: -10 to 70 C (14 to 158 F)				
	Operating Humidity: 5 to 95% Noncondensing				
	Certifications: CE, FCC, IC				
	Advanced Traffic Management				



	VLAN: 802.1Q				
	Advanced QoS: Per-User Rate Limiting				
	Guest Traffic Isolation: Supported				
	WMM: Voice, Video, Best Effort, and Background				
	Concurrent Clients: 200+				
	Supported Data Rates (Mbps)				
	Standard Data Rates				
	802.11a 6,9,12,18,24,36,48,54 Mbps				
	802.11n 6.5 Mbps to 300 Mbps (MCS0-MCS15, HT 20/40)				
	802.11ac 6.5 Mbps to 1.7 Gbps (MCS0-MCS9 NSS1/2/3/4, VHT 20/40/80)				
	58 Mbps to 1.7 Gbps (MCS0-MCS9 NSS1/2, VHT 160)				
	802.11b 1, 2, 5.5, 11 Mbps				
	802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps				
59	Wireless Optical Mouse	pcs	6	1,000.000	6,000.00
	▣Adjustable 500/1000 DPI high-definition tracking engine				
	▣Reliable 2.4GHz wireless connection, perfect for anti-jamming				
	▣Supports 4D scroll wheel and optical buttons No installation software or drivers required: plug and play				
	▣Powered by AA alkaline batteries, you can use this mouse with only one battery				
60	Solid State Drive, 250 GB, 2.5" SATA III	pcs	5	2,000.000	10,000.00
	▣Capacity: 250GB				
	▣Interface: SATA III				
	▣Storage technology: 3D NAND				
	▣Sequential read speeds up to 560MB/s and sequential write speeds up to 530MB/s				
	▣An industry leading 1.75M hrs mean time to failure (MTTF) and up to 500 TBs written (TBW) for enhanced reliability				
61	LCD Projector, XGA (1024x768)	units	2	27,000.000	54,000.00
	▣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				
62	Desktop Computer (i3, 11th Gen)	units	2	40,000.000	80,000.00
	☑Processor: Intel Core i3-11300 (4 cores /8 threads) or higher				
	☑Motherboard: Intel H510M Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1200				
	☑8GB DDR4 2933 DIMM Desktop Memory or higher				
	☑SSD: 240GB NVMe or higher				
	☑Keyboard and Mouse Combo				
	☑Casing with Power Supply				
	☑Monitor: 18.5 inch, HD Ready (1366 X 768), TN Panel Connectivity Port: 1 VGA Port, 1 HDMI Port / Aspect Ratio: 16:9, Brightness (Typical): 200 cd/m2 / Refresh Rate: 60 Hz,				
	☑Operating System: Genuine Windows 10 Home (OEM)				
	☑AVR: 500W IC controlled				
63	Keyboard And Mouse Combo Bundle, USB powered	sets	21	600.000	12,600.00
	☑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				
64	Large-Diaphragm Cardioid Condenser Microphone	unit	2	17,500.000	35,000.00
	For Voice, Instruments, Drums, and Cabs				
	<i>Cardioid Pattern Lessens Room Noise</i>				
	<i>Switchable -10 dB Pad Hinders Distortion</i>				
	<i>Low-Cut Filter Limits Bass Buildup</i>				
	<i>Shockmount Inhibits Vibration Noise</i>				



	Large-Diaphragm True Condenser Capsule				
	Handles Immense Sound Pressure Levels				
	Includes Protective Case and Dust Cover				
	XLR Output for Hookup to Mic Preamp				
	Operates on 48V Phantom Power				
	Microphone				
	Form Factor: Large Diaphragm Mic / Stand/Boom Mount				
	Intended Sound Sources: Vocals, Speech/Voice Over, Instrument				
	Sound Field: Mono				
	Operating Principle: Pressure Gradient				
	Capsule: Condenser				
	Polar Pattern: Cardioid				
	Performance				
	Frequency Range: 20 Hz to 20 kHz				
	Maximum SPL: 145 dB SPL (1 kHz, 1% THD)				
	155 dB SPL (1 kHz, 1% THD, with Pad)				
	Impedance: 100 Ohms				
	Sensitivity: -32 dBV/Pa				
	Dynamic Range: 133 dB (1 kHz, at Max SPL)				
	Signal-to-Noise Ratio: 82 dB (1 kHz)				
	Equivalent Noise Level: 12 dB SPL A-Weighted				
	Power				
	Operating Voltage: 48 V (Phantom Power)				
	Operating Current Consumption: 4.2 mA				
	Physical				
	Color: Black				
	Mounting: Shockmount (Included)				
	Included Case: Hard Case, Mic Sock				
	Included Filters: None				
	Dimensions: \varnothing : 2.1 x L: 6.69" / \varnothing : 5.3 x L: 16.99 cm				
	Weight: 12.7 oz / 360 g				
65	SDI to HDMI Converter Bidirectional	units	4	5,750.000	23,000.00
	"Video Inputs: 1 x BNC (3G-SDI), 1 x HDMI (HDMI 2.0)				
	Audio Inputs: None				
	Video Outputs: 1 x BNC (3G-SDI), 1 x HDMI (HDMI 2.0)				
	Audio Outputs: None				
	Other I/O: 1 x USB-C Input				
	Expansion Slots: None				



	<i>Embedded Audio: HDMI/SDI</i>				
	<i>Power I/O: 1 x USB-C (4.4 to 5.2 VDC) Input</i>				
	<i>Power Consumption: 2.5 W"</i>				
66	Wireless Bluetooth Microphone	pc	1	10,000.000	10,000.00
	System				
	Wireless Technology: Digital 2.4 GHz				
	Included Transmitters: 2 x Clip-On with Microphone				
	Diversity Frequency				
	Max Operating Range: 656.2' / 200 m (Line of Sight)				
	Max Transmitters per Band: 2				
	Built-In Recorder: No				
	Timecode Support: No				
	OS Compatibility: iOS				
	Sample Rate/Resolution 48 kHz / 16-Bit				
	Latency 0.08 ms				
	Dynamic Range 86 dB (Line Input)				
	Encryption None				
	Receiver				
	Receiver Type: Plug-In				
	Antenna: Internal				
	Number of Audio Channels: 2				
	Audio I/O: None				
	Phantom Power Protection: None				
	Frequency Response: 20 Hz to 20 kHz				
	USB/Lightning Connectivity 1 x Lightning Male (Audio, Bus Power)				
	Power Requirements: Bus Power (Lightning)				
	Display & Indicators: 2 x LED (Power)				
	Transmitter				
	Transmitter Type: Clip-On with Microphone				
	Audio I/O: None				
	Muting: Off/On Switch				
	Auto-Level Control: No				
	Sync Method: 2.4 GHz QPSK				
	Antenna: Internal				
	Power Requirements: Battery				
	Battery Type: 1 x Built-In Rechargeable				
	Internal Battery Capacity: 140 mAh				
	Battery Charging Time: 1.5 Hours				
	Approx. Battery Life: 8 Hours				
	USB/Lightning I/O: 1 x USB-C (Charging)				



	Display & Indicators: 1 x LED (Battery Status, Power, Sync)				
	Microphone				
	Microphone Type: Integrated				
	Sound Field: Mono				
	Polar Pattern: Omnidirectional				
	Frequency Range: 20 Hz to 20 kHz				
	Maximum SPL Omnidirectional: 110 dB SPL				
	Charging Case				
	Additional Runtime 24 Hours				
	Recharge Time 1.5 Hours				
	Capacity 1400 mAh				
	Charging Interface USB-C				
67	All-in-One Ink Tank Printer Wi-Fi Duplex with ADF	unit	1	21,000.000	21,000.00
	☑Compact integrated tank design				
	☑Print speeds up to 15ipm for black and 8.0ipm for colour				
	☑Auto-duplex printing Fax and ADF capability / Ethernet &				
	☑Wi-Fi Direct				
	☑Borderless Printing up to A4 size				
	☑Spill-free ink refilling				
	☑Control Panel: 2.4 " Colour LCD Touch Panel				
68	HDMI to HDMI cable, 20 meters	pcs	1	1,500.000	1,500.00
	Length: 20 Meters				
	High Quality Pure Copper				
	HDMI Male to HDMI Male				
	Transfers at speeds up to 10.2 Gbps				
	Gold plated 19 pin HDMI connectors; oxygen-free copper cable				
	PVC jacket with high visibility nylon braiding				
69	HDMI to HDMI, Shielded	unit	1	600.000	600.00
	High-speed HDMI to HDMI cable,				
	Works with HDTVs, digital cameras/camcorders, MP3 players, and other HDMI devices				
	Supports Ethernet, 3D, and Audio Return				
	Meets HDMI 1.4 specifications; shielded to defend against interference				
	Cable length:10 Meters				
70	Headset, Over Ear, wired	sets	2	750.000	1,500.00
	☑Wearing Type: Over-ear				
	☑Microphone: Yes				
	☑Volume Control: Yes				



	☑One Key Mute Button: Yes				
	☑Microphone: Omnidirectional				
	☑Plug Type: 3.5mm				
	☑Speaker Diameter: 50mm				
	☑Receive Sensitivity: 101dB				
	☑Impedance: 32Ω				
	☑Frequency Response: 20-20kHz				
71	Speaker, for PC, 2.1 (Speaker with Subwoofer)	pc	1	1,500.000	1,500.00
	☑Power Output : rms 4.5w×2 sw: 12w				
	☑Signal to noise ratio : 80dba				
	☑Frequency Response : 80hz~20khz (±6db)				
	☑R/I: 300±50mv sw: 100 ± 20mv				
	☑Aux/USB/SD card				
	☑Bass driver :4 inch				
	☑Treble driver :2 3/4 inch				
72	Web Camera for Laptop and Desktop	pcs	1	720.000	720.00
	☑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				
73	System Unit (CPU), Core i7 8GB RAM	units	2	40,000.000	80,000.00
	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				
74	DSLR Camera Set	unit	1	33,000.000	33,000.00
	☑Ready to use:				
	☑18-megapixel APS-C-size CMOS sensor & DIGIC 4+ image processor				
	☑9-point AF with 1 centre cross-type AF point				



	☑Standard ISO 100 - 6400 (expandable to 12800)				
75	External Hard Disk Drive (Portable, 2TB), USB 3.1	units	5	4,200.000	21,000.00
	☑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				
76	Scanner, Flatbed	unit	1	40,000.000	40,000.00
	Technical Specifications:				
	Color Scanning: Yes				
	Scan Speed: ADF: Up to 20ppm/40 ipm (b&w, gray and color, 300 dpi)				
	Scan Type/Technology: Flatbed, ADF/CMOS CIS (Contact Image Sensor)				
	Scan Resolution: Hardware: Up to 600 x 600 dpi (color and menu, ADF) Up to 1200 x 1200 dpi (color and menu, Flatbed) Optical: Up to 600 dpi (color and menu, ADF) Up to 1200 dpi (color and menu Flatbed)				
	Scan File Format: For text and images, PDF, JPEG, BMP, TIFF, TXT (text), RTF and searchable PDF				
	ADF Capacity: Standard, 50 sheets				
	Light Source Scanning: Light Emitting Diode (LED)				
	Digital sending standard: Scan to PC				
	Memory: Standard: 64MB				
	Processor speed: 120MHz				
	Warranty: One Year warranty				
77	EPSON M200 Ink 774 black	btl	2	645.000	1,290.00
	Epson Genuine 774 Pigment Black 140ml Ink for M200				
78	AVR, 500W (IC Controlled)	units	4	500.000	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				
79	Computer Printer 3-in-1	unit	1	12,500.000	12,500.00
	☑with CIS Filled with Inks				
	☑Compact integrated tank design				



	☑High yield ink bottles				
	☑Spill-free, error-free refilling				
	☑Wi-Fi, Wi-Fi Direct				
	☑Borderless printing up to 4R				
80	UPS, 1000 VA	units	4	3,000.000	12,000.00
	☑1000VA/600W capacity				
	☑Frequency Range: 60 Hz				
	☑Freq. Range (Batt. Mode): 60 Hz ± 1 Hz				
	☑Transfer Time: Typical 4-8 ms				
	☑Waveform (Batt. Mode): Simulated Sine Wave				
	☑Back-up Runtime: 10-15 mins				
	☑Voltage: 220 VAC				
	☑Voltage Range: 162-270 VAC				
81	VOIP Phone	units	2	6,000.000	12,000.00
	☑1-Line PoE+ SIP VOIP Phone SPA MAC address (IEEE 802.3) with lifetime warranty				
	☑IPv4 (RFC 791)Integrated web server provides web-based administration and configuration				
	☑Telephone keypad configuration via display menu/navigation				
	☑Automated provisioning and upgrade via HTTPS, HTTP, TFTP				
	☑Asynchronous notification of upgrade availability via NOTIFY				
	☑Nonintrusive in-service upgrades				
	☑Report generation and event logging				
	☑Statistics transmitted in BYE message				
	☑Syslog and debug server records: configurable per line				
	☑Address Resolution Protocol (ARP)				
	☑DNS: A record (RFC 1706), SRV record (RFC 2782)				
	☑Dynamic Host Configuration Protocol (DHCP) client (RFC 2131)				
	☑Internet Control Message Protocol (ICMP) (RFC 792)				
	☑TCP (RFC 793)				
	☑User Datagram Protocol (UDP) (RFC 768)				
	☑Real-Time Transport Protocol (RTP) (RFC 1889, 1890)				
	☑Real-Time Control Protocol (RTCP) (RFC 1889)				
	☑Differentiated Services (DiffServ) (RFC 2475)				
	☑Type of service (ToS) (RFC 791, 1349)				
	☑VLAN tagging 802.1p/Q: Layer 2 quality of service (QoS)				



	☐Simple Network Time Protocol (SNTP) (RFC 2030)SIP version 2 (RFC 3261, 3262, 3263, 3264)				
	☐SPCP with the Cisco Unified Communications 500 Series				
	☐SIP proxy redundancy: dynamic via DNS SRV, A records				
	☐Reregistration with primary SIP proxy server				
	☐SIP support in NAT networks (including STUN)				
	☐SIPFrag (RFC 3420)				
	☐Secure (encrypted) calling via SRTP				
	☐Codec name assignment				
	☐Voice algorithms:				
	☐G.711 (A-law and μ -law)				
	☐G.726 (16/24/32/40 kbps)				
	☐G.729 A				
	☐G.722				
	☐Dynamic payload support				
	☐Adjustable audio frames per packet				
	☐Dual-tone multifrequency (DTMF), in-band and out-of-band (RFC 2833) (SIP INFO)				
	☐Flexible dial plan support with interdigit timers				
	☐IP address/URI dialing support				
	☐Call progress tone generation				
	☐Jitter buffer: adaptive				
	☐Frame loss concealment				
	☐Comfort Noise Generation (CNG)				
	☐Voice activity detection (VAD) with silence suppression				
	☐Attenuation/gain adjustments				
	☐VMWI - Voicemail Waiting Indicator, via NOTIFY, SUBSCRIBE				
	☐Caller ID support (name and number)				
	☐Third-party call control (RFC 3725)				
	☐Should be compatible with existing fleet of VSU IP Phones				
82	All-in-One Ink Tank Printer Wi-Fi Duplex with ADF	unit	1	21,000.000	21,000.00
	☐Compact integrated tank design				
	☐Print speeds up to 15ipm for black and 8.0ipm for colour				
	☐Auto-duplex printing Fax and ADF capability / Ethernet &				
	☐Wi-Fi Direct				
	☐Borderless Printing up to A4 size				
	☐Spill-free ink refilling				



	☑Control Panel: 2.4 " Colour LCD Touch Panel				
83	8 GB Dedicated Video Card DDR5 or Higher (with 1-HDMI Port, and 1-Display Port)	lot	1	25,000.000	25,000.00
84	Desktop Computer (CPU only) for Modelling and Rendering - 16 OR 32 GB RAM DDR4 or Higher - 500 GB SSD	lot	1	40,000.000	40,000.00
	- 16 or 32 GB RAM DDR4 or Higher				
	- 500 GB SSD				
	- 3.0 GHz or Higher CPU with compatible Motherboard and integrated graphics				
	- MS Office and MS Window installed				
85	Bottom Loading Water Dispenser	pc	1	14,500.000	14,500.00
	Product Model: JD-8044				
	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				
86	Laptop Cooling Pad 14"	pcs	3	500.000	1,500.00
	1.one 14cm big LED light fan				
	2.metal mesh material				
	3. Powered by USB cable from laptop				
	4.Support size:12"-14"laptop				
	5.Color:black,				
87	Wireless Dual Band Gigabit Ceiling Mount Access Point with installation Guide, Power Adapter and Mounting kits	unit	1	6,000.000	6,000.00
88	Motherboard, Intel B460 Chipset for Intel LGA 1200 Processors	unit	1	5,900.000	5,900.00
	☑Supports 10th Gen Intel® Core™ Processors				
	☑Dual Channel Non-ECC Unbuffered DDR4 , 4 DIMMs				
	☑High Quality Audio Capacitors and Audio Noise Guard with LED Trace Path Lighting				
	☑Ultra-Fast M.2 with PCIe Gen3 X4 & SATA Interface				
	☑Smart Fan 5 features Multiple Temperature Sensors and Hybrid Fan Headers with FAN STOP				
	☑Anti-Sulfur Resistors Design				
	☑Ultra Durable™ 15KV Surge LAN Protection				
	☑Intel® Optane™ Memory Ready				
89	Rechargeable Wireless Keyboard and	unit	3	950.000	2,850.00



	Mouse Set				
	☑Rechargeable Office Wireless Keyboard and Mouse Set				
	☑Size: 284*121*16.mm				
	☑Weight: 280g				
	☑Connection method: USB receiver/Bluetooth				
	Rebidding - VSU-GOODS-23-31				
90	Apple Mac Mini, M2 Chip	unit	2	72,500.00	145,000.00
	Chip:M2 chip				
	8-core CPU with 4 performance cores and 4 efficiency cores				
	10-core GPU				
	16-core Neural Engine				
	100GB/s memory bandwidth				
	Media engine: Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW				
	Video decode engine				
	Video encode engine				
	ProRes encode and decode engine				
	Memory: 8GB				
	Storage: 256GB				
	256GB SSD				
	Compatible with existing Apple Devices				
91	Epson 001 ink, Black, 127ml, Genuine	btls	2	600.00	1,200.00
92	Epson 001 ink, Cyan, Genuine	btls	2	350.00	700.00
93	Epson 001 ink, Magenta, Genuine	btls	2	350.00	700.00
94	Epson 001 ink, Yellow, Genuine	btls	2	350.00	700.00
95	Epson 003 Ink Bottle for Epson L3150, Black, Genuine	btls	3	400.00	1,200.00
96	Epson 003 Ink Bottle for Epson L3150, CYAN, Genuine	btls	2	400.00	800.00
97	Epson 003 Ink Bottle for Epson L3150, MAGENTA, Genuine	btls	2	400.00	800.00
98	Epson 003 Ink Bottle for Epson L3150, YELLOW, Genuine	btls	2	400.00	800.00
99	External Hard Disk Drive (Portable, 1TB), USB 3.1	unit	1	3,000.00	3,000.00
	☑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				
100	External Hard Disk Drive (Portable, 2TB),	unit	2	4,200.00	8,400.00



	USB 3.1				
	☑Shock-absorbing				
	☑Interface: USB 3.1 (Max.5Gb/s)				
	☑Capacity: 2TB				
	☑Texture: Plastic/Rubber				
	☑Operating Voltage: DC 5V, 900mA				
	☑System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later				
101	genuine microsoft office 365 Pro Plus	pcs	5	8,500.00	42,500.00
	good for 5 laptops/pc genuine microsoft office 365 Pro Plus				
102	Handheld GPS	unit	2	28,000.00	56,000.00
	PHYSICAL DIMENSIONS: approx. 2.1" x 4.0" x 1.3" (5.4 x 10.3 x 3.3 cm)				
	DISPLAY SIZE: approx. 1.4" x 1.7" (3.5 x 4.4 cm); 2.2" diag (5.6 cm)				
	DISPLAY RESOLUTION: 240 x 320 pixels				
	DISPLAY TYPE: 2.2" transfective, 65K color TFT				
	WEIGHT: approx. 5 oz (141.7 g) with batteries				
	BATTERY: 2 AA batteries (not included); NiMH or Lithium recommended				
	BATTERY LIFE: 25 hours				
	WATER RATING: IPX7				
	MEMORY/HISTORY: 8GB				
	HIGH-SENSITIVITY RECEIVER: Yes				
	INTERFACE: USB				
	Maps & Memory				
	PRELOADED MAPS: Yes (TopoActive; routable)				
	ABILITY TO ADD MAPS: Yes				
	BASEMAP: Yes				
	MEMORY STORAGE AND POWER CAPACITY: microSD™ card (not included)				
	WAYPOINTS/FAVORITES/LOCATIONS: 2000				
	ROUTES: 200				
	TRACK LOG: 10,000 points, 200 saved tracks				
103	HDMI to HDMI cable, 20 meters	pcs	1	1,500.00	1,500.00
	Length: 20 Meters				
	High Quality Pure Copper				
	HDMI Male to HDMI Male				
	Transfers at speeds up to 10.2 Gbps				
	Gold plated 19 pin HDMI connectors; oxygen-free copper cable				
	PVC jacket with high visibility nylon braiding				



104	Headset with Noise Cancelling Mic	unit	2	1,800.00	3,600.00
	☐ <i>Input Impedance: at least 32 Ohms</i>				
	☐ <i>Sensitivity (headphone): at least 94 dBV/Pa +/- 3 dB</i>				
	☐ <i>Sensitivity (microphone): -17 dBV/Pa +/- 4 dB</i>				
	☐ <i>Frequency response (Headset): 20 Hz - 20 KHz</i>				
	☐ <i>Frequency response (Microphone): 100 Hz - 10 KHz</i>				
	☐ <i>Cable Length: at least 7 ft</i>				
105	Rechargeable Wireless Keyboard and Mouse Set	unit	2	950.00	1,900.00
	☐ <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>				
106	Tablet 10.9", 64GB, iPadOS, Wifi + Cellular	unit	1	42,000.00	42,000.00
	☐ <i>64GB Storage Capacity</i>				
	☐ <i>A14 Bionic chip with 64-bit architecture, Neural Engine</i>				
	☐ <i>10.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology</i>				
	☐ <i>2360-by-1640-pixel resolution at 264 pixels per inch (ppi)</i>				
	☐ <i>Wide color display (P3)</i>				
	☐ <i>True Tone display</i>				
	☐ <i>Fingerprint-resistant oleophobic coating</i>				
	☐ <i>Fully laminated display</i>				
	☐ <i>Antireflective coating</i>				
	☐ <i>12MP Wide camera</i>				
	☐ <i>f/1.8 aperture</i>				
	☐ <i>Five-element lens</i>				
	☐ <i>Hybrid IR filter</i>				
	☐ <i>4K video recording at 24 fps, 30 fps, or 60 fps</i>				
	☐ <i>1080p HD video recording at 30 fps or 60 fps</i>				
	☐ <i>Slo-mo video support for 1080p at 120 fps or 240 fps</i>				
	☐ <i>7MP photos</i>				
	☐ <i>f/2.2 aperture</i>				
	☐ <i>1080p HD video recording at 60 fps</i>				
	☐ <i>Wide color capture for photos and Live Photos</i>				
	☐ <i>Smart HDR</i>				
	☐ <i>Stereo speakers</i>				
	☐ <i>Dual microphones for calls, video recording, and audio recording</i>				



	<ul style="list-style-type: none"> ☑802.11ax Wi-Fi 6; simultaneous dual band (2.4GHz and 5GHz); HT80 with MIMO 				
	<ul style="list-style-type: none"> ☑UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz) 				
	<ul style="list-style-type: none"> ☑Gigabit-class LTE (Bands 1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 17, 18, 19, 20, 21, 25, 26, 29, 30, 34, 38, 39, 40, 41, 66, 71)4 				
	☑Bluetooth 5.0 technology				
	☑iPadOS 14				
	Compatible with existing Apple Devices				
107	Tablet Pencil	pc	2	8,690.00	17,380.00
	<i>Pencil (2nd generation)</i>				
	<i>Length: 6.53 inches (166 mm)</i>				
	<i>Diameter: 0.35 inch (8.9 mm)</i>				
	<i>Weight: 0.73 ounce (20.7 grams)</i>				
	<i>Connections</i>				
	<i>Bluetooth</i>				
	<i>Other Features</i>				
	<i>Magnetically attaches and pair</i>				
108	Universal HDMI to VGA Adapter Cable, at least 1.8 meters	unit	2	300.00	600.00
109	Windows 11 Operating System	Licenses	1	3,500.00	3,500.00
	<i>Windows 11 Pro for Workstations Product Key For 1 PC, Lifetime</i>				
110	Wireless Access Point	unit	1	9,900.00	9,900.00
	☑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				
111	"Speed Light Diode Laser"	unit	1	80,503.00	80,503.00
	Classification: Class II Laser				



	Maximum Output: 532 nm (green)				
	650 nm (red)				
	Maximum output: <1 mW				
	Divergence: <2 mrd				
	Beam Diameter at aperture: 3 mm				
112	Red Diode Laser	unit	1	35,559.00	35,559.00
	Specification:				
	Output Power: <1mW				
	Wavelength: 650nm				
	Power supply: 9V ADAPTER (INCLUDED)				
113	Circuit Training Board with Power Supply	units	5	15,000.00	75,000.00
	8 Data Switches - The data switch circuits provides eight DATA OUTPUT pins D1 to D8 whose output level is adjusted using slide switches.				
	8 Data Status Monitor - Has eight buffered inputs with LED indicators that show the current state of the inputs.				
	555-Based Clock Generator - The circuit is based on a 555 IC configured as an astable multivibrator. The signal is accessible through the OUT pin. An overlapping LOW (10 Hz to 500 Hz) and HIGH (20 Hz to 1 kHz) range switch is provided for frequency control as well as VR1 for fine tuning control.				
	Pulse Generator - A monostable signal generator based on the 74HC221 IC. These are two outputs, pressing a switch generates a pulse across the corresponding output pin.				
	Logic Probe - The probe displays the status of the signal fed across its input pins using three LED status indicators, one each for HIGH, LOW and PULSE.				
	5-Volt Power Supply - This supply is the same power source used for the rest of the modules such that the user need not worry about compatibility problems when using the built-in modules in the trainer.				
114	Printer, All-in-One Wireless Ink Tank Color	unit	1	11,000.00	11,000.00
	■Product Description				
	◀Product Details of All-in-One Wireless Ink Tank Colour Printer				
	◀Printing resolution(dpi): 4800(horizontal) x 1200(vertical)				
	◀Interface: USB Port=Hi-Speed USB *1, LAN Port=Wireless LAN: IEEE802.11n / IEEE802.11g / IEEE802.11b*2				
	◀Multiple copy: Max. 20 pages				
	◀Maximum scanning size: A4/Letter, 8.5" x 11.7"/216x297 mm				



	◀Multiple Copy: Mx. 99 pages				
	◀Scanner Driver: Windows=TWAIN 1.9 Specification, WIA				
	◀Scanning resolution: optical resolution (horizontal x vertical)= 600 x 1200 dpi				
	◀Gradation (input/Output): Gray=16bit/8bit, Color= RGB each 16bit/8bit				
	◀Data Compressing System: Black=MH, MR, MMR, Color= JPEG				
	◀Modem Speed: Max. 33.6 kbps				
	◀Density adjustment: 3 levels				
	◀Memory: Transmission/reception= approx. 50 pages				
	◀Color: 200 x 200 dpi				
	◀Operating System: Windows 10,8.1,7 SP1				
	◀Hard Disk Space: 3.1GB				
	◀Display: XGA 1024 x 768				
	◀Connectivity Type: WiFi				
	◀Wireless LAN: Supported Standards: IEEE802.11n / IEEE802.11g / IEEE802.11b				
	◀Frequency bandwidth: 2.4 GHz				
	◀WCN (WCN-NET) • Easy wireless connect				
	◀Other Features: Administration password				
	◀Other Supported OS: iOS, Android, Windows 10 Mobile				
	◀Mobile Printing Capability: Google Cloud Print, Apple AirPrint				
115	Antenna	pc	1	13,000.00	13,000.00
	Description				
	Antenna VHF Base, 144 to 174 MHz, Power Max 200-Watt, Length 460 cm, Gain 7.8dB.				
	Connector UHF-Female.				
	FEATURES, FUNCTIONS AND SPECIFICATIONS:				
	Frequency: 144 to 174 MHz				
	Gain: 7.8dB				
	Max Power: 200 Watt				
	Length: 460 cm				
	Weight: 1.7 Kg				
	Rated Wind Velocity: 50m/sec.				
	Mast Diameter Accepted: 30-62mm diameter				
	Connector: MJ / UHF / SO-239				
	Type: Omnidirectional 3x5/8, FRP Outersheel.				
	PACKING INCLUDES:				
	1 Pcs Antenna				
	1 Set Mounting Materials				
	1 Pcs User Manual English and Japanese				



	Product details				
	SKU: diamond-F23				
	Product Weight: 1.8 kg				
	Product Length: 1730 mm				
	Product Width: 150 mm				
	Height: 60 mm				
116	Lightning Arrester	pc	1	1,800.00	1,800.00
	Specifications:				
	Material: Iron				
	Color: Silver				
	Model: CA-35RS-delete				
	Connector: UHF/UHF				
	Frequency range: 0-3000MHz				
	Voltage standing wave ratio: ≤1.1				
	Peak power: 200w				
	Voltage: DC 230A				
	Current: 500A				
	Impedance: 50 ohms				
	Size: 78 * 41 * 20mm / 3.1 * 1.6 * 0.8in				
	Package weight: 105g				
	Package List:				
	1 x Coaxial Lightning Surge Protector				
117	Radio Base	pc	1	11,000.00	11,000.00
	GENERAL				
	Antenna Impedance: 50 ohms				
	Current Drain Receive: Less than 1 A				
	Current Drain Transmit: Less than 14 A				
	Dimensions (W x H x D): 6.3 x 1.69 x 4.69 in. (160 x 43 x 126 mm)				
	Weight (approx.): 2.6 lbs. (1.2 kg)				
	Frequency Range: TX: 144 - 148 MHz				
	Ground: Negative				
	Microphone Impedance: 600 ohms				
	Frequency Tolerance: ± 2.5 PPM -20°C to 60°C				
	Mode: F3E (FM)				
	Operating Temperature Range: -20°C to 60°C				
	Power Requirement: 13.8V DC (±15%)				
	RECEIVER				
	Audio Output Power: More than 2W (8 ohms, 5% distortion)				
	Circuitry: Double conversion superheterodyne				
	Intermediate Frequency 1st IF: 49.95 MHz				
	Intermediate Frequency 2nd IF: 450 kHz				



	Selectivity -6 dB: More than 12 kHz (Narrow 10 kHz)				
	Selectivity -60 dB: Less than 30 kHz (Narrow 24 kHz)				
	Sensitivity (12dB SINAD): Less than 0.18µV				
	Squelch Sensitivity: Less than 0.10µV				
	TRANSMITTER				
	Frequency Tolerance: Within ±10 ppm				
	Maximum Frequency Deviation: ±5 kHz				
	Modulation: Reactance modulation				
	Modulation Distortion: Less than 3% (300 Hz ~ 3 kHz)				
	RF Output Power HI: 65 W				
	RF Output Power LO: 25 W				
	Specifications may be changed without notice.				
	PACKAGE INCLUSIONS				
	1x Unit				
	1x Keypad Mic				
	1x Bracket				
	1x Power Cord				
	1x Manual				
	1x Set of Screws				
118	Regulated Power Supply	pc	1	12,000.00	12,000.00
	*30AMPS				
	*BATTERY CHARGER				
	*13.8VDC				
	Coaxial (P6,300.00) 45 meters				
	General				
	Frequency Range DC 5.8 GHz				
	Impedance 50 Ohms				
	Velocity of Propagation 85 %				
	Shielding Effectiveness 90 dB				
	Inner Conductor DC Resistance 1.39 Ohms/1000ft				
	Outer Conductor DC Resistance 1.85 Ohms/1000ft				
	Nominal Capacitance 23.9 [78.41] pF/ft [pF/m]				
	Nominal Inductance 0.059 [0.19] uH/ft [uH/m]				
119	RF Coaxial Coax Adapter UHF Female to Female SO-239 SO239 Connector Adapter Replacement	pcs	3	200.00	600.00
	Nickel plated and designed to offer the lowest VSWR rating of the two series.				
	Connector material: Pure brass with low loss. (Not alloy).				



	Mini size: Lightweight and easy to use, portable size, easy to carry with tool bag.				
	Strong and durable: Made of pure brass material to ensure maximum strength and durability for long-lasting usage.				
	S0-239 UHF female connector.Used for connecting two PL-259 connectors together.				
	Description				
	Material: Pure brass.				
	Size: 4 x 2.5 x 0.8 inches.				
	Color: Silver.				
	Impedance: 50ohm.				
	UHF female-to-female adapter.				
	Notes:				
	Due to the light and resolution setting difference, the item's color may be slightly different from the pictures.				
	Please allow slight dimension differences due to different manual measurements.				
	Package included:				
	Type 1:				
	2 * RF coaxial coax adapter.				
	Type 2:				
	4 * RF coaxial coax adapter.				
120	UHF PL259 Male to UHF PL-259 Male plug Straight RF coaxial adapter connector adapter	pcs	2	200.00	400.00
	Feature name: UHF PL259 Male to UHF PL-259 Male plug Straight RF coaxial adapter connector adapter: UHF Male connector: UHF Male quantity: 2pcs				
121	UHF PL259 Plug for RG58 Twist-On/Solder Type RF Coaxial Coax Antenna Cable Adapters 4.8mm	pcs	2	250.00	500.00
	UHF PL259 Male Twist-on Connectors RG8 RG58 RF Coaxial Coax Antenna Cable Adapter Plug				
	Suitable for video head-end applications.				
	Applicable to the reducer in RG8X connector.				
	Niel-plated brass structure, gold-plated contacts, and Derlin insulators.				
	High reliability, strong anti-vibration, and good mechanical and electrical performance.				
	Widely used in vibration and harsh environments of radio equipment and instruments, as well as ground transmission systems, widely used in radio frequency coaxial cable.				
122	12000W/10000W Car Power Inverter, Voltage Converter DC 12V/24V to AC 220V	unit	1	18,000.00	18,000.00



	portable Converter for Car				
	12000W/10000W Car Power Inverter, Voltage Converter DC 12V/24V to AC 220V Portable Converter for Car Modification QZMH				
	Mode: sd 10000/12000				
	Color: Red				
	Materials: High-quality aluminum alloy (conductive to efficient fan heating)				
	Input Voltage: DC 12V/24V optional				
	When the battery voltage is lower than 1.05, the converter starts low voltage protection, when the battery voltage is higher than 15V, the converter starts high voltage protection.				
	Output Voltage: AC 220V				
	The output frequency is : 220V Model 50Hz				
	Peak Power: 10000W/12000W				
	Waveform output: modified sine wave				
123	Active Speaker, 12" 1000W peak two-way full range	unit	2	48,000.00	96,000.00
	12" 1000W peak two-way full range Active Speaker				
	-1000 watts(peak) 500 watts (program)				
	-Superior DSP processing with component protection				
	-12-inch woofers with 2.5-inch voice coils				
	-1-inch HF compression drivers				
	-90 x 60 deg. HF dispersion				
	-Dual purpose full-range and wedge monitor speaker				
	-Ultra-clear reproduction throughout the whole audio bandwidth				
	-Recessed control panel				
	-Master Level control with activity indicator (cabinet level adjustment)				
	-3 performance modes, concert, club and monitor				
	-Defeatable 3 channel mixer with level controls and clip indicators				
	-Bluetooth input/streaming, not affected by mixer defeat				
	-2 microphone inputs with level and phantom power				
	-1/4-inch TRS Instrument and Line Inputs				
	-18-inch AUX input for connecting or stereo audio sources				
	-an XLR Main In & link output for easy connection and looping				
	-Selectable Sub Filter (HPF) for connecting a subwoofer				
124	18" LF active Speakers	unit	2	60,000.00	120,000.00



	-1 x 18" LF				
	-Total Power: 500Watta (RMS)				
	-Nominal Impedance (ohm): 4ohms				
	-Voltage Range: AC 220V-240V, 50/60Hz (or AC 110V-120V)				
	-Sensitivity (1 W @ 1m): 100dB				
	-Frequency Response(-3db): 35Hz-250Hz				
	-Max SPL @ 1m: 127dB/133dB(peak)				
	-Input signal: Balance 20Kohms. Unbalanced 10kOhms				
	-Dimension (W x D x H): 693 x 580 mm/(27.3 x 22.8 x 20.9 in)				
	-Net Weight: 45 kg/99.2 lb				
	-Six order Bandpass configuration				
	-Built-in Power amplifier module				
	-XLR input and output connectors				
	-Computer aided design to optimise and phase reponse				
	-Suitable for use with full range or mid/high speaker cabinets for extended low frequency, high quality music reproduction				
	-Integral 35mm pole receptacle for mounting full range or mid/high speaker cabinets				
	Durable Polyurethane base texture base paint				
125	152 Voice Coil Speaker, 18 at 20K 18 inches 2000W	unit	2	26,000.00	52,000.00
	-Maximum Power: 2000 watts				
	-Impedance: 8 ohms				
	_Woofers Size: 18				
126	12 channels Mixer with USB and effects	unit	2	37,000.00	74,000.00
	-GigFX effects engine delivers 24 effects including reverbs, delays & choruses				
	-Built-in channel compression-48-voltphantom power on all channels				
	-Rugged design will stand up to the water and tear of the road				
	-3 Band EQ and 100Hz low-out filter on all channels				
	-Built-in channel compression-48-voltphantom power on all channels				
	-24-bit/192kHz A/D for unmatched audio quality				
	-USB for playback XLR and balanced/unbalance outputs				
	-Headphones output has separate volume control for comfortable monitoring				
127	Scratch-style 2-channel DJ controller for Serato DJ Lite (black)	unit	1	25,000.00	25,000.00
	-Serato DJ Lite software included				



	-Large Jog Wheels				
	-Eight Performance Pads per Deck				
	-LPF/HPF Knobs on each Decks				
	-2-Channel Bus-Power Mixer				
	-Integrated Sound Card				
128	8" Active monitor speaker (black)	unit	2	16,000.00	32,000.00
	-Class D with 96kHz DSP				
	-LF: 90 w/4 ohms				
	-HF: 30 w/4 ohms				
	-XLR/TRS combo x 1 (balanced input)				
	TRUST FUND				
129	EPSON M200 Ink 774 black	btl	5	645.00	3,225.00
	<i>Pigment Black 140ml Ink for M200</i>				-
130	Ink, Epson 003,Genuine Black 65mL	btl	5	350.00	1,750.00
131	Ink, EPSON 003,Genuine Cyan 65mL	btl	5	350.00	1,750.00
132	Ink, EPSON 003,Genuine Magenta 65mL	btl	5	350.00	1,750.00
133	Ink, EPSON 003,Genuine Yellow 65mL	btl	5	350.00	1,750.00
				TOTAL:	5,464,917.00

DILBERTO O. FERRAREN
BAC Chairman