



Karen Teacher Working Group

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Invitation to Suppliers for IT Devices

Date: 4th August 2023

Sub: IT Devices

Ref: PR- **PR-2307005**

KTWG (Karen Teacher Working Group) is pleased to intend to award a supply contract for IT Devices with financial assistance from MEC (Myanmar Education Consortium). KTWG is calling for suppliers to submit your proposals/quotations as appear in below table which includes the details requirements: -

NO	DESCROPTIONS	BAND & MODEL	QUANTITY
1	Notebook/laptop computer	Apple Macbook Air M1(MGN93TH/A)	10
2	Notebook/laptop computer	HP Laptop 15s-fq5156TU (787S7PA#AKL)	16
	Notebook/laptop computer	HP Pavilion Laptop 15-eh3035AU (7Z0A8PA#AKL)	
	Notebook/laptop computer	Asus Vivobook 16 X1605ZA-MB522WS	
	Notebook/laptop computer	Asus Vivobook S 14 (S3404ZA-LY547WS)	
	Notebook/laptop computer	Asus Vivobook 14X X1403ZA-LY701WS	
	Notebook/laptop computer	Acer Aspire A515-57-56RQ/T003	
	Notebook/laptop computer	Lenovo IdeaPad 3 15IAU7 (82RK00ABTA)	
	Notebook/laptop computer	IdeaPad Slim 5 16IAH8 (83BG000CTA)	
3	AIO Desktop computer	Acer Aspire C22-1700-1238G0T21Mi/T001	4
	AIO Desktop computer	Acer Aspire C24-1800-1338G0T23Mi/T002	
	AIO Desktop computer	Asus A3402WBAK-BA096W	
	AIO Desktop computer	Lenovo IdeaCentre AIO 3 24IAP7	
	AIO Desktop computer	Lenovo ThinkCentre Neo 30a 24	
	AIO Desktop computer	HP AIO 24-cb1019d (7Z0D2PA#AKL)	
4	Tablet	Apple IPAD AIR 2022	1
5	Tablet	Samsung Tab 6 lite	2
6	Mobile Phone	Motorola G51 Horizon Blue (5G)	7
	Mobile Phone	SAMSUNG A14 (5G)	
7	Wireless Lavalier Microphone	UGREEN Wireless Microphone Lavalier Model: 30887	1
8	Cable Lavalier Microphone	BOYA BY-M1 Omnidirectional Original Lavalier Microphone Clip-on Lapel Mic	7
	Cable Lavalier Microphone	SYNCO Lav S6E Wired Lavalier Microphone	
9	Power Bank	M31PD power bank	7
	Power Bank	ASAKI (A-B3531) LCD	
	Power Bank	ELOOP (E29)	
10	MicroSD Card	SANDISK 128 GB	9
11	Tripod	210cm Selfie Tripod Set with Mobile Handle	8
12	UPS	APC BR500CI-AS 300 Watts	4
13	Digital Pencil	Apple Pencil 2	1
14	USB Type C HUB	UGREEN USB C Hub Type C	10

USB Type C HUB	Baseus USB C Hub Type C	
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1. Summary of IT order

NO	DESCROPTIONS	QUANTITY
1	Macbook	10
2	Notebook/laptop computer/	16
3	AIO Desktop computer	4
4	IPAD	1
5	Tablet/	2
6	Mobile Phone	7
7	Wireless Microphone	1
8	Cable Microphone	7
9	Power Bank	7
10	MicroSD Card	9
11	Tripod	8
12	UPS	4
13	Digital Pencil	1
14	USB Type C HUB	10

2. Delivery Sites Address Details (Thai Side)

KTWG Office – 1 Moo 1, T. Mae Kong, A. Mae Sariang, Mae Hong Son Province 58110

3. 2 Instructions of Tenderer Submission

- A) The suppliers (hard documents) must submit the sealed envelope to KTWG office (Address: KTWG Office -1 Moo 1, T. Mae Kong, A. Mae Sariang, Mae Hong Son Province 58110 Thailand) and OR
- B) The suppliers (e-documents) must submit to KTWG office to (email: procurementcommittee2021@gmail.com)

4. Requirements Documents and information

Please see attached file of the information required from the companies as mentioned in below-

- A) Supplier's profile/registration document other important documents
- B) Supplier (Owner/manager name and ID photocopy/Phone No. Email)
- C) Delivery time lead
- D) Payment method, if the supplier need more details please contact us see the information at "Requirement & Bid Regulations"

5. Q & A (Questions and Answers) section

Q & A open for all suppliers, if you have any further information related to this procurement process or products. Time is open 22nd July – 3rd August 2023 January 2023 in office hours by sending emails to

6. Notice

- a) The Items (products' price should be maintained/kept for at least 30 days
- b) One stop service is essential so that submit delivery cost separate from items/products price

For Supplier notifications

Issue Date: 4th August 2023

Questions Due By: 4th – 10th August 2023

Submission Due Date and Time: 10th August 2023 (No later than 17.00 Pm Thai time)

Location of Bid Opening: 1 Moo 1, T. Mae Kong, A. Mae Sariang, Mae Hong Son Province 58110 Thailand

Contact person- Ms. Thophor Thanahirankun: 080-8503609, htoopawktwg@gmail.com

Ms. Nathataporn Phodphiphaksa: 0612791145, bowyour@gmail.com

The information of IT Devices includes specifications

Notice: Above mentioned Items and brands/specifications for you to give us the price but we will only choose 11 items as listed in below table.

Please see below item for each brand and specifications for your detail's information

1. Apple Laptop Computer



Model	APPLE Macbook Air (MGN93TH/A)
Processor	Apple M1 chip (8-core CPU with 4 performance cores and 4 efficiency cores)
Chipset	N/A
Graphics	Integrated Graphics
Display Screen	13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors
Memory	8GB unified memory
Storage	256GB SSD
Optical Disk Drive	None
Web Camera	720p FaceTime HD camera
Sound Technology	• Stereo speakers

Wireless	<ul style="list-style-type: none"> • 802.11ax Wi-Fi 6 wireless networking • IEEE 802.11a/b/g/n/ac compatible
Ports	Two Thunderbolt / USB 4 ports with support for: <ul style="list-style-type: none"> • Charging • DisplayPort • Thunderbolt 3 (up to 40Gb/s) • USB 4 (up to 40Gb/s) • USB 3.1 Gen 2 (up to 10Gb/s)
Expansion Slots	N/A
Power Adapter	Built-in 49.9 watt
Battery	3-cell, 41 Wh Li-ion
OS	macOS
Keyboard Type	Backlit Magic Keyboard
Pointing Device	Force Touch trackpad
Finger Print reader	Touch ID sensor
Dimension	(W x D x H) : 10.00 x 35.00 x 26.00 cm
Net Weight	2.33G

2. HP Laptop computer



Model	HP Laptop 15s-fq5156TU (787S7PA#AKL)
Processor	Intel Core i5-1240P (E-core up to 3.3GHz, P-core up to 4.4GHz, 12MB Intel Smart Cache)
Chipset	Intel SoC Platform
Graphics [Integrated]	Intel Iris Xe Graphics (Integrated Graphics)
Display Screen	15.6" 1920x1080 (FHD), IPS, 60Hz, micro-edge, anti-glare, 250 nits, 45% NTSC
Memory	8GB (4GB x2) DDR4 3200MHz
Storage	512GB PCIe NVMe M.2 SSD
Optical Disk Drive	None
Web Camera	HP True Vision 720p HD camera with temporal noise reduction and integrated dual array digital microphones
Sound Technology	HD Audio

Wireless	Wireless 802.11ax
Ports	1x SuperSpeed USB Type-C® 5Gbps signaling rate 2x SuperSpeed USB Type-A 5Gbps signaling rate 1x HDMI 1.4b
Expansion Slots	1 x multi-format SD media card reader
Power Adapter	65 W Smart AC power adapter
Battery	3-cell, 41 Wh Li-ion
OS	Windows 11 Home
Keyboard Type	ENG/TH keyboard with numeric keypad
Pointing Device	HP Imagepad with multi-touch gesture support; Precision Touchpad Support
Finger Print reader	N/A
Dimension	(W x D x H) : 7.00 x 51.00 x 30.00 cm
Net Weight	2.35 KG
Package Dimension	(WxDxH)
Package Weight	2.38 KG
Bundle	Microsoft Office Home and Student 2019
Warranty	2 Years On Site Service / 1 Year Smart Friend / 1 Year Accidental Damage Protection

3. HP Laptop computer



Model	HP Pavilion Laptop 15-eh3035AU (7Z0A8PA#AKL)
Processor	AMD Ryzen™ 5 7500U (2.0GHz up to 4.5GHz, 3MB L2 Cache / 16MB L3 Cache)
Chipset	AMD Integrated SoC
Graphics [Integrated]	AMD Radeon™ Graphics
Display Screen	15.6" FHD (1920 x 1080), IPS,60Hz, micro-edge, BrightView, 250 nits, 45% NTSC
Memory	16 GB DDR4-3200 MHz RAM (2 x 8 GB)
Storage	512 GB PCIe® NVMe™ M.2 SSD
Optical Disk Drive	None

Web Camera	HP Wide Vision720p HD camera with integrated dual array digital microphones
Sound Technology	Audio by B&O; Dual speakers; HP Audio Boost
Wireless	Wi-Fi 802.11ax and Bluetooth® 5.2 combo (Supporting Gigabit data rate)
Ports	1xUSB Type-C 10Gbps signaling rate (USB Power Delivery, DisplayPort 1.4, HP Sleep and Charge) 2x USB Type-A 5Gbps signaling rate 1x HDMI 2.1
Expansion Slots	1 microSD media card reader; 1 multi-format SD media card reader
Power Adapter	45 W Smart AC power adapter
Battery	3-cell, 41 Wh Li-ion
OS	Windows 11 Home
Keyboard Type	ENG/TH backlit keyboard with numeric keypad
Pointing Device	HP Imagepad with multi-touch gesture support; Precision Touchpad Support
Finger Print reader	N/A
Dimension	(W x D x H) : 7.00 x 48.00 x 30.00 cm
Net Weight	2.47 KG
Package Dimension	(W x D x H) : 48.30 x 30.50 x 6.90 cm
Package Weight	2.27 KG
Bundle	Microsoft Office Home and Student 2021
Warranty	2 Years On Site Service / 1 Year Smart Friend / 1 Year Accidental Damage Protection

4. Asus Laptop computer



Brand	Asus
Model	Asus Vivobook 16 X1605ZA-MB522WS
Processor	Intel Core i5-1235U (1.3GHz up to 4.4GHz, 12MB Intel Smart Cache)
Chipset	Intel SoC Platform
Graphics	Intel Iris Xe Graphics (Integrated Graphics)
Display Screen	16.0" 1920x1200 (WUXGA), IPS, 60Hz, 300nits, Anti-glare, 45% NTSC

Main Memory	16GB DDR4 (8GB Onboard + 8GB SODIMM)
Memory Slot	1x Slot
Max Memory	16GB (Max)
Storage	256GB PCIe NVMe M.2 SSD
Storage Slot	1x Slot
Optical Disk Drive	None
Web Camera	720p HD camera with privacy shutter
Sound Technology	SonicMaster
Audio Jack	1 x 3.5mm combo audio jack
Speaker	<ul style="list-style-type: none"> • Built-in speaker • Built-in microphone
Network	10/100/1000 LAN
Wireless	Wireless 802.11ac
Bluetooth	Bluetooth 4.1
Ports	1x USB 2.0 Type-A 1x USB 3.2 Gen 1 Type-C 2x USB 3.2 Gen 1 Type-A 1x HDMI 1.4
CardReader	N/A
Power Adapter	ø4.5, 45W AC Adapter, Output: 19V DC, 2.37A, 45W, Input: 100~240V AC 50/60Hz universal
Battery	42WHrs, 3S1P, 3-cell Li-ion
OS	Windows 11 Home + Microsoft Office Home & Student 2021
Material	<ul style="list-style-type: none"> • LCD cover-material : Plastic • Top case-material : Plastic • Bottom case-material : Plastic
Keyboard Type	ENG/TH Chiclet Keyboard with Num-key
Backlit	None
Touchpad	Yes
Finger Print	Yes
Special Feature	N/A
Dimension	(W x D x H) : 35.87 x 24.95 x 1.99 cm

Net Weight	1.88G
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5. Asus Laptop computer



Brand	Asus
Model	Vivobook S 14 (S3404ZA-LY547WS)
Processor	Intel Core i5-12500H (2.5GHz up to 4.5GHz, 18MB Intel Smart Cache)
Chipset	Intel SoC Platform
Graphics	Intel Iris Xe Graphics (Integrated Graphics)
Display Screen	14.0" 1920x1200 (WUXGA), IPS, 60Hz, anti-glare, 300nits, 45% NTSC
Main Memory	16GB DDR4 (8GB Onboard + 8GB SODIMM)
Memory Slot	1x Slot
Max Memory	16GB (Max)
Storage	512GB M.2 NVMe PCIe 4.0 SSD
Storage Slot	1x M.2 SSD
Optical Disk Drive	None
Web Camera	720p HD camera with privacy shutter
Sound Technology	Smart Amp Technology
Audio Jack	1 x 3.5mm combo audio jack
Speaker	<ul style="list-style-type: none"> • Built-in speaker • Built-in array microphone • harman/kardon (Mainstream)
Network	10/100/1000 LAN
Wireless	Wireless 802.11ax (Wi-Fi 6E)
Bluetooth	Bluetooth 5
Ports	1x HDMI 2.1 TMDS

	2x Thunderbolt 4 supports display / power delivery 1x USB 3.2 Gen 1 Type-A 1x USB 2.0 Type-A
CardReader	N/A
Power Adapter	TYPE-C, 90W AC Adapter, Output 20V DC, 4.5A, 90W, Input: 100~240V AC 50/60Hz universal
Battery	70WHrs, 3S1P, 3-cell Li-ion
OS	Windows 11 Home + Microsoft Office Home & Student 2021
Material	<ul style="list-style-type: none"> • LCD cover-material : Plastic • Top case-material : Plastic • Bottom case-material : Plastic
Keyboard Type	ENG/TH Backlit Chiclet Keyboard
Backlit	Yes
Touchpad	Yes
Finger Print	Yes
Special Feature	N/A
Dimension	(W x D x H) : 31.64 x 22.45 x 1.89 cm
Net Weight	1.50G

6. Asus Laptop computer



Brand	Asus
Model	Notebook Asus Vivobook 14X X1403ZA-LY701WS
Processor	Intel Core i7-12700H (2.3GHz up to 4.7GHz, 24MB Intel Smart Cache)
Chipset	Intel SoC Platform
Graphics	Intel Iris Xe Graphics (Integrated Graphics)
Display Screen	14.0" 1920x1200 (WUXGA), IPS, 60Hz, anti-glare, 300nits, 45% NTSC

Main Memory	8GB DDR4 Onboard memory
Memory Slot	1x Slot
Max Memory	16GB (Max)
Storage	512GB PCIe NVMe M.2 SSD
Storage Slot	1x M.2 2280 PCIe 3.0x4
Optical Disk Drive	None
Web Camera	720p HD camera with privacy shutter
Sound Technology	SonicMaster
Audio Jack	1 x 3.5mm combo audio jack
Speaker	<ul style="list-style-type: none"> • Built-in speaker • Built-in array microphone
Network	10/100/1000 LAN
Wireless	Wireless 802.11ax (Wi-Fi 6E)
Bluetooth	Bluetooth 5
Ports	1x USB 2.0 Type-A 1x USB 3.2 Gen 1 Type-C 2x USB 3.2 Gen 1 Type-A 1x HDMI 1.4
CardReader	N/A
Power Adapter	ø4.5, 90W AC Adapter, Output: 19V DC, 4.74A, 90W, Input: 100~240V AC 50/60Hz universal
Battery	50WHrs, 3S1P, 3-cell Li-ion
OS	Windows 11 Home + Microsoft Office Home & Student 2021
Material	<ul style="list-style-type: none"> • LCD cover-material : Plastic • Top case-material : Plastic • Bottom case-material : Plastic
Keyboard Type	ENG/TH Backlit Chiclet Keyboard
Backlit	Yes
Touchpad	Yes
Finger Print	N/A

Special Feature	N/A
Dimension	(W x D x H) : 13.00 x 46.00 x 30.00 cm
Net Weight	a. G

7. Acer Laptop Computer



Brand	Acer
Model	A515-57-56RQ/T003 (15.6)
Processor	Intel Core i5-1235U (1.3GHz Up to 4.4GHz, 12MB Intel Smart Cache)
Chipset	Intel SoC Platform
Graphics	Intel Iris Xe Graphics (Integrated Graphics)
Display Screen	15.6" 1920x1080 (FHD), IPS, Acer ComfyView
Main Memory	8GB DDR4 2666MHz
Memory Slot	N/A
Max Memory	N/A
Storage	512GB PCIe NVMe M.2 SSD
Storage Slot	N/A
Optical Disk Drive	None
Web Camera	720P HD Camera with Acer TNR Solution
Sound Technology	N/A
Audio Jack	1 x 3.5mm headphone/speaker jack, supporting headsets with built-in microphone
Speaker	Yes
Network	10/100/1000 LAN
Wireless	Wireless 802.11ac
Bluetooth	Yes
Ports	1x USB Type-C™ port supporting: [USB 3.2 Gen 2 (up to 10 Gbps) / Thunderbolt™4 / DisplayPort over USB-C / USB charging 5 V; 3 A / DC-in port 20 V; 65 W] 3x USB 3.2 Gen 1 ports with one featuring power-off USB charging 1x HDMI® 2.1 port with HDCP support
CardReader	N/A

Power Adapter	3-pin 65 W AC adapter
Battery	3-Cell, 42 50Wh,
OS	Windows 11 Home + Microsoft Office Home&Student 2021
Material	N/A
Keyboard Type	ENG/TH Backlit keyboard
Backlit	Yes
Touchpad	Yes
Finger Print	None
Special Feature	N/A
Dimension	(W x D x H) : 7.00 x 50.00 x 31.00 cm
Net Weight	2.84 G

8. Lenovo Laptop Computer



Brand	Lenovo
Model	IdeaPad 3 15IAU7 (82RK00ABTA)
Processor	Intel Core i5-1235U (E-core up to 3.3GHz, P-core up to 4.4GHz, 12MB Intel Smart Cache)
Chipset	Intel SoC Platform
Graphics	Intel Iris Xe Graphics (Integrated Graphics)
Display Screen	15.6" 1920x1080 (FHD), IPS, 60Hz, 300nits, Anti-glare
Main Memory	8GB DDR4 3200MHz Onboard memory
Memory Slot	1x Slot
Max Memory	Up to 16GB (8GB Onboard + 8GB SODIMM) DDR4-3200 offering

Storage	512GB PCIe NVMe M.2 SSD
Storage Slot	1x M.2 SSD <ul style="list-style-type: none"> • M.2 2242 SSD up to 1TB • M.2 2280 SSD up to 1TB
Optical Disk Drive	None
Web Camera	<ul style="list-style-type: none"> • HD 720p with Privacy Shutter • 2x, Array Microphone
Sound Technology	High Definition (HD) Audio
Audio Jack	1x Headphone / microphone combo jack (3.5mm)
Speaker	Stereo speakers, 1.5W x2, Dolby Audio
Network	N/A
Wireless	Wireless 802.11ax (Wi-Fi 6E)
Bluetooth	Bluetooth 5.2
Ports	1x USB 2.0 1x USB 3.2 Gen 1 1x USB-C 3.2 Gen 1 (support data transfer, Power Delivery 3.0, and DisplayPort 1.2) 1x HDMI 1.4b
CardReader	4-in-1 card reader (SD, SDHC, SDXC, MMC)
Power Adapter	65W Round Tip (3-pin)
Battery	3-Cell, 45Wh
OS	Windows 11 Home + Microsoft Office Home & Student 2021
Material	PC + ABS (Top), PC + ABS (Bottom)
Keyboard Type	ENG/TH, 6-row, multimedia Fn keys, numeric keypad
Backlit	LED backlight
Touchpad	Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP)
Finger Print	Touch style fingerprint reader on power button

Special Feature	N/A
Dimension	(W x D x H) : 7.00 x 53.00 x 32.50 cm
Net Weight	2.51G

9. Lenovo Laptop Computer



Brand	Lenovo
Model	IdeaPad Slim 5 16IAH8 (83BG000CTA)
Processor	Intel Core i5-1235U (E-core up to 3.3GHz, P-core up to 4.4GHz, 12MB Intel Smart Cache)
Chipset	Intel SoC Platform
Graphics	Integrated Graphics
Display Screen	16.0" 1920x1200 (WUXGA), IPS, 60Hz, 300nits, Anti-glare, 45% NTSC, TÜV Low Blue Light
Main Memory	16GB LPDDR5 4800MHz Onboard memory
Memory Slot	None
Max Memory	Up to 16GB (8GB Onboard + 8GB SODIMM) DDR4-3200 offering
Storage	512GB SSD M.2 2242 PCIe 4.0x4 NVMe
Storage Slot	1x M.2 2280 PCIe 4.0 x4 slot
Optical Disk Drive	None
Web Camera	<ul style="list-style-type: none"> • FHD 1080p with Privacy Shutter • 2x, Array Microphone
Sound Technology	High Definition (HD) Audio
Audio Jack	1x Headphone / microphone combo jack (3.5mm)
Speaker	Stereo speakers, 2W x2, optimized with Dolby Audio
Network	N/A

Wireless	Wireless 802.11ax (Wi-Fi 6E)
Bluetooth	Bluetooth 5.1
Ports	1x USB 3.2 Gen 1 1x USB 3.2 Gen 1 (Always On) 2x USB-C 3.2 Gen 1 (support data transfer, Power Delivery 3.0 and DisplayPort 1.4) 1x HDMI 1.4b
CardReader	microSD Card Reader
Power Adapter	65W USB-C (3-pin)
Battery	Integrated 56.6Wh
OS	Windows 11 Home + Microsoft Office Home & Student 2021
Material	Aluminium (Top), PC-ABS (Bottom)
Keyboard Type	ENG/TH, 6-row, multimedia Fn keys, numeric keypad
Backlit	LED backlight
Touchpad	Buttonless Mylar® surface multi-touch touchpad, supports Precision TouchPad (PTP)
Finger Print	Touch style fingerprint reader on power button
Special Feature	N/A
Dimension	(W x D x H) : 7.00 x 53.00 x 32.50 cm
Net Weight	2.58G

10. Acer AIO Desktop Computer



Brand	Acer
Model	AIO Acer Aspire C22-1700-1238G0T21Mi/T001

Processor	Intel Core i5-1235U (1.3GHz up to 4.4GHz, 12MB Intel Smart Cache)
Chipset	Intel SoC Platform
Graphics	Integrated Graphics : Intel UHD Graphics
Display Screen	21.5" 1920x1080 (FHD), IPS, 60Hz Anti-Glare
Main Memory	8GB DDR4 3200MHz
Memory Slot	2 Slot
Max Memory	Up to 32GB
Storage	512GB PCIe NVMe M.2 SSD
Storage Slot	N/A
Optical Disk Drive	None
Web Camera	1080p FHD webcam
Sound Technology	N/A
Audio Jack	microphone combo jack (3.5mm)
Speaker	Yes
Network	10/100/1000 LAN
Wireless	Wi-Fi 6 (802.11ax)
Bluetooth	Bluetooth 5.0
Ports	1 x USB2.0 2 x USB3.2 Gen 1 1 x USB3.2 Gen 2 1 x USB Type-C 1 x HDMI -out
CardReader	None
Power Adapter	N/A
Battery	N/A
OS	Windows 11 Home + Microsoft Office Home & Student 2021

Material	PC + ABS (Top), PC + ABS (Bottom)
Keyboard Type	Wireless keyboard and mouse
Backlit	N/A
Touchpad	N/A
Finger Print	N/A
Special Feature	N/A

11. Acer AIO Desktop Computer



Brand	Acer
Model	Aspire C24-1800-1338G0T23Mi/T002
Processor	Intel Core i5-1335U (1.3GHz up to 4.6GHz, 12MB Intel Smart Cache)
Chipset	Intel SoC Platform
Graphics	Integrated Graphics : Intel UHD Graphics
Display Screen	23.8" 1920x1080 (FHD), IPS, 60Hz Anti-Glare
Main Memory	8GB (1x8GB) DDR4 3200MHz SODIMM
Memory Slot	N/A
Max Memory	Up to 32GB
Storage	512GB PCIe NVMe M.2 SSD
Storage Slot	N/A
Optical Disk Drive	None
Web Camera	1080p FHD webcam

Sound Technology	N/A
Audio Jack	microphone combo jack (3.5mm)
Speaker	Yes
Network	10/100/1000 LAN
Wireless	Wi-Fi 6 (802.11ax)
Bluetooth	Bluetooth 5.0
Ports	1 x USB2.0 2 x USB3.2 Gen 1 1 x USB3.2 Gen 2 1 x USB Type-C 1 x HDMI -out
CardReader	None
Power Adapter	N/A
Battery	N/A
OS	Windows 11 Home
Material	N/A
Keyboard Type	Wireless keyboard and mouse
Backlit	N/A
Touchpad	N/A
Finger Print	N/A
Special Feature	N/A

12.Asus AIO Desktop Computer



Brand	Asus
Model	A3402WBAK-BA096W
Processor	Intel Core i5-1235U (1.3GHz up to 4.4GHz, 12MB Intel Smart Cache)
Chipset	Intel SoC Platform
Graphics	Integrated Graphics : Intel UHD Graphics
Display Screen	23.8" 1920x1080 (FHD) IPS, 60Hz, Anti-Glare, 250 nits, 100% sRGB
Main Memory	8GB (1x8GB) SO-DIMM DDR4 3200Hz
Memory Slot	2 x DDR4 SO-DIMM slot
Max Memory	N/A
Storage	256GB M.2 NVMe PCIe 3.0 SSD, Without HDD
Storage Slot	1 x M.2 2280 SSD slot
Optical Disk Drive	None
Web Camera	720p HD camera Built-in microphone
Sound Technology	SonicMaster
Audio Jack	1 x 3.5mm combo audio jack
Speaker	Yes
Network	10/100/1000 LAN
Wireless	Wi-Fi 6 (802.11ax)
Bluetooth	Bluetooth 5.3
Ports	2 x USB 2.0 Type-A

	3 x USB 3.2 Gen 1 Type-A 1 x USB 3.2 Gen 1 Type-C 1 x HDMI in 1.4 1 x HDMI out 1.4
CardReader	None
Power Adapter	ø4.5, 90W AC Adapter, Output: 19V DC, 4.74A, 90W, Input: 100~240V AC 50/60Hz universal
Battery	N/A
OS	Windows 11 Home
Material	N/A
Keyboard Type	ENG/TH Keys
Backlit	N/A
Touchpad	N/A
Finger Print	N/A
Special Feature	N/A

13.Lenovo AIO Desktop Computer



Brand	Lenovo
Model	IdeaCentre AIO 3 24IAP7 (F0GH00WCTA)
Processor	Intel Core i5-12450H (2.0GHz up to 4.4GHz, 12MB Intel Smart Cache)
Chipset	Intel SoC Platform
Graphics	Integrated Graphics : Intel UHD Graphics
Display Screen	23.8" 1920x1080 (FHD), IPS, 60Hz, Anti-glare, 250nits, 72% Gamut

Main Memory	8GB (1x8GB) DDR4 SODIMM 3200MHz
Memory Slot	2 x DDR4 SO-DIMM slots, dual-channel capable
Max Memory	16GB
Storage	512GB SSD M.2 2280 PCIe 4.0x4 NVMe
Storage Slot	1 x M.2 SSD (up to 1TB) 1 x 2.5" HDD (up to 1TB)
Optical Disk Drive	DVD±RW
Web Camera	IR Camera, Microphone 2x, Array
Sound Technology	High Definition (HD) Audio, Realtek ALC256 codec
Audio Jack	1 x Headphone / microphone combo jack (3.5mm)
Speaker	3Wx2
Network	10/100/1000 LAN
Wireless	WiFi 6 (11ax)
Bluetooth	Bluetooth 5.1
Ports	2 x USB 2.0 2 x USB 3.2 Gen 2 1 x HDMI-out
CardReader	None
Power Adapter	90W 89% Adapter
Battery	N/A
OS	Windows 11 Home + Microsoft Office Home & Student 2021
Material	N/A
Keyboard Type	ENG/TH Keys
Backlit	N/A
Touchpad	N/A
Finger Print	N/A

Special Feature	N/A
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14.Lenovo AIO Desktop Computer



Brand	Lenovo
Model	ThinkCentre Neo 30a 24
Processor	Intel Core i5-1240P (1.7GHz up to 4.4GHz, 12MB Intel Smart Cache)
Chipset	Intel SoC Platform
Graphics	Integrated Graphics : Intel UHD Graphics
Display Screen	23.8" 1920x1080 (FHD), IPS, 60Hz, Anti-glare, 250nits, 72% Gamut
Main Memory	8GB (1x8GB) DDR4 SODIMM 3200MHz
Memory Slot	2 x DDR4 SO-DIMM slots, dual-channel capable
Max Memory	16GB
Storage	512GB SSD M.2 2280 PCIe 4.0x4 NVMe
Storage Slot	1 x M.2 SSD (up to 1TB)
Optical Disk Drive	DVD±RW
Web Camera	HD 720p, Microphone 2x, Array
Sound Technology	High Definition (HD) Audio, Realtek ALC256 codec
Audio Jack	1 x Headphone / microphone combo jack (3.5mm)
Speaker	3Wx2
Network	10/100/1000 LAN
Wireless	WiFi 6 (11ax, Intel AX201)

Bluetooth	Bluetooth 5.1
Ports	2 x USB 2.0 2 x USB 3.2 Gen 2 1 x HDMI-out
CardReader	None
Power Adapter	90W 89% Adapter
Battery	N/A
OS	DOS
Material	N/A
Keyboard Type	ENG/TH Keys
Backlit	N/A
Touchpad	N/A
Finger Print	N/A
Special Feature	N/A

15.HP AIO Desktop Computer



Brand	HP
Model	HP AIO 24-cb1019d (7Z0D2PA#AKL)
Processor	Intel Core i5-1235U (1.3GHz up to 4.4GHz, 12MB Intel Smart Cache)
Chipset	Intel SoC Platform
Graphics	Integrated Graphics : Intel UHD Graphics
Display Screen	23.8" 1920x1080 (FHD), IPS, 60Hz, Anti-Glare, 72% NTSC
Main Memory	8GB (1x8GB) DDR4 SODIMM 3200MHz

Memory Slot	2 Slot
Max Memory	16GB
Storage	512GB PCIe 2280 NVMe M.2 SSD
Storage Slot	1 x M.2 (for SSD) 1 x SATA 2.5" HDD
Optical Disk Drive	None
Web Camera	HP Wide Vision 1080p FHD IR privacy camera with integrated dual array digital microphones
Sound Technology	N/A
Audio Jack	1 x Headphone / microphone combo jack (3.5mm)
Speaker	Dual 2 W speakers
Network	10/100/1000 LAN
Wireless	WiFi 5 (ac)
Bluetooth	Bluetooth 5.0
Ports	2 x USB 2.0 Type-A 1 x USB Type-A 5Gbps signaling rate 1 x USB Type-A 5Gbps signaling rate (Battery Charging 1.2)
CardReader	None
Power Adapter	65 W Smart AC power adapter
Battery	N/A
OS	Windows 11 Home
Material	N/A
Keyboard Type	ENG/TH Keys
Backlit	N/A
Touchpad	N/A
Finger Print	N/A

Special Feature	N/A
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16. Apple iPad air



Brand	Apple
Model	IPAD AIR 2022 (MM9P3TH) (Air 5)
Processor	M1 (8-Core)
Display Screen	10.9" Liquid Retina Multi-Touch
Main Memory	8GB
Storage	256GB
Display	10.9" Liquid Retina Multi-Touch
Resolution	12360x1640
Front Camera	12MP <i>f</i> /2.4
Back Camera	12MP <i>f</i> /1.8
I/O Interfaces	USB Type-C
Network	Wireless 802.11ax
Bluetooth	Bluetooth 5.0
Power Adapter	65 W Smart AC power adapter
Battery	Built-in rechargeable lithium polymer battery 28.6Wh Browse the web over WiFi or watch videos for up to 10 hours . Charge from a power adapter or from a computer via USB® C cable
OS	iPadOS 16

17.Apple Pencil 2



Brand	Apple
Model	Pencil (MU8F2ZA/A) Version 2
Type	Pencil
Detail	Length: 166 mm (6.53 inches) Diameter: 8.9 mm (0.35 inches) Weight: 20.7 ounces (0.73 grams)

18.SAMSUNG TAB



Brand	SAMSUNG
Model	TAB S6 Lite WiFi
Processor	Octa-Core 1.8GHz + 2.3GHz
Display Screen	10.4" TFT 16M
Main Memory	4GB
Storage	64GB
Display	10.4" TFT 16M
Resolution	2000 x 1200 (WUXGA+)
Front Camera	5.0MP
Back Camera	8.0MP Auto Focus , Video Recording Resolution FHD (1920 x 1080) @30fps

I/O Interfaces	USB Type-C
Network	Wi-Fi 802.11 a/b/g/n/ac 2.4G+5GHz, VHT80 MIMO
Bluetooth	Bluetooth 5.0
Power Adapter	65 W Smart AC power adapter
Battery	Capacity : 7040mAh Internet Usage Time(Wi-Fi) (Hours) : up to 14 Video Playback Time (Hours) : up to 15
OS	Android

19.Mobile Phone



Brand	Motorola
Model	Motorola G51 Horizon Blue (5G)
Processor	Qualcomm SM4350-AC Snapdragon 480+ 5G (8 nm) , Octa-core (2x2.2 GHz Kryo 460 & 6x1.8 GHz Kryo 460)
Display Screen	6.8” 1080 x 2400 pixels, 20:9 ratio IPS LCD 120hz
Main Memory	4GB
Storage	64GB
Front Camera	8 MP
Back Camera	50 MP (f/1.8) + 8 MP (f/2.2) + 2 MP (f/2.4)
I/O Interfaces	USB Type-C
Network	GSM/HSPA/LTE/5G
Bluetooth	Bluetooth 5.0

Power Adapter	Fast charge 10W
Battery	5,000 mAh
OS	Android 11

20. Mobile Phone



Brand	SAMSUNG
Model	SAMSUNG A14 (5G)
Processor	5G (MT6833V)
Display Screen	6.6" (1080 x 2408) FHD+ PLS TFT LCD, 401PPI, 90Hz
Main Memory	4GB
Storage	128GB
Display	(1080 x 2408) FHD+ PLS TFT LCD, 401PPI, 90Hz
Front Camera	13.0MP (f2.0)
Back Camera	50.0MP (f1.8) + 2.0MP (f2.4) + 2.0MP (f2.4)
I/O Interfaces	USB Type-C
Network	Main 5G 4x4 MIMO band N1(2100),N3(1800),N7(2600),N41(2500),N78(3500)
Bluetooth	Bluetooth 5.2
Power Adapter	Fast charge 10W
Battery	5,000 mAh
OS	Android 13, One UI 5.0

21. Wireless Lavalier Microphone



Brand	UGREEN
Model	UGREEN Wireless Microphone Lavalier Model: 30887
Description	UGREEN Bluetooth 5.3 Wireless Microphone Lavalier Omni Condenser Mic Noise Reduction Clip-on Lapel for Camera Video Recording Live Stream Vlog <ul style="list-style-type: none">• Wireless Microphone• Lavalier Omni Condenser Mic• Noise Reduction

22. Wireless Lavalier Microphone



Brand	BOYA
Model	BOYA BY-V10 BY V Series Wireless Microphone
Description	1*BY-V1-TX Transmitter 1*BY-V10-RX Receiver × 1*USB-C Charging Cable 1*Foam Windscreen

23. Cable Lavalier Microphone



Brand	BOYA
Model	BOYA BY-M1 Omnidirectional Original Lavalier Microphone Clip-on Lapel Mic
Description	<ul style="list-style-type: none"> • 1 * BOYA BY-M1 Microphone • 1 * Lapel Clip • 1 * Foam Windscreen • 1 * 1/4"(6.5mm) Jack adapter

24. Cable Lavalier Microphone



Brand	SYNCO
Model	SYNCO Lav S6E Wired Lavalier Microphone
Description	<ul style="list-style-type: none"> • Frequency Response: 50Hz-20KHz • Dynamic Range (Typical): 117dB • Signal/Noise: 75dB • Maximum Input Sound Level: 135dB SPL (at 1 KHz) • Sensitivity: -40 dB (± 3dB, re 1V/Pa at 1 kHz) • Output Impedance: 2.2KΩ • Audio Cable: 6 Meters/19.7 Feet • Connector: 3.5mm (1/8") 4-pole plug • Battery Type: CR1220 • Battery Life: 800H

25. Power bank



Brand	MOFIT
Model	M31PD powebank
Capacity	30000 mAh
Interface	1 x Micro USB 1 x USB Type-C 2 x USB A
Input	Micro usb : 5V-2.0A/9V-2.0A/12V-1.5A 18W Type-C : 5V-3.0A/9V-2.0A/12V-1.5A 18W
Output	Type-C : 5V-3.0A/9V-2.22A/12V-1.67A 20W Type-A 1,2 : 5V-3.0A/9V-2.0A/12V-1.5A 18W

26. Power bank



Brand	ASAKI
Model	POWER BANK 30000 mAh ASAKI (A-B3531) LCD
Capacity	30000 mAh
Interface	Micro USB / USB Type-C / USB Type-A

Input	Micro USB / USB Type-C, (5V/2.1A)
Output	USB 1 Type-A (5V/2.1A) USB 2 Type-A (5V/2.1A) USB 3 Type-A (5V/2.1A)

27. Power bank



Brand	ELOOP
Model	POWER BANK 30000 mAh ELOOP (E29)
Capacity	30000 mAh
Interface	Micro USB / USB Type-C / USB Type-A
Input	Input 1 (Type-C): DC 5V-3A 9V-2A (PD+QC2.0) Input 2 (Micro-USB): DC 5V-2A, 9V-2A
Output	Output 1 (USB) : DC 5-6V/2.4A Output 2 (USB) : DC 5-6V/3A 6-9V/2A 9-12V/1.5A(QC3.0)

28. MicroSD Card



Brand	SANDISK
Model	Extreme (SDSQXAA-128G-GN6MN)
Capacity	128GB

Class	C10, U3, V30, A2
Speed Rating	Sequential Read Performance : Up to 190MB/s Sequential Write Performance : Up to 90MB/s

29.Tripod



Brand	UPick1
Model	UPick1 210cm Selfie Tripod Set with Mobile Handle
Description	Product Name: TL+Carbon210cm(C)/For Tablet Stand Material:Carbon Steel / Carbon Steel (strong, long lasting) Stand size:70-210cm Stand Nut Screws: 1/4 Tablet handle: Swivel lock 13-24cm / 12.9inch fit Weight:1.1kg

30.UPS 500VA APC BR500CI AS



Brand	APC
Model	BR500CI-AS
Type	Line Interactive
Rated Capacity	300 Watts / 500 VA
Nominal Input Voltage	230V

Nominal Output Voltage	230V
Input Frequency	50/60 Hz +/- 3 Hz (auto sensing)
Transfer Time	6ms typical : 10ms maximum
Display	None
Input Connections	IEC-320 C14
Output Connections	(3) IEC 320 C13 (Battery Backup)
Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof
Waveform Type	Stepped approximation to a sinewave
Typical recharge time	10 hour(s)
Battery Replacement	APCRBC125
Cord Length	1.83 meters
Environment	Operating Temperature : 0 - 40°C Operating Relative Humidity : 0 - 95% Operating Elevation : 0-3000meters Storage Temperature : -15 - 45°C Storage Relative Humidity : 0 - 95%
Package Contents	2 x Detachable 1.8 m IEC power cords 1 x User Manual 1 x Warranty card ** No Power input cable
Output Frequency (sync to mains)	47 - 63 Hz
Ports	2 x USB 2.0 Type-A 1 x USB Type-A 5Gbps signaling rate 1 x USB Type-A 5Gbps signaling rate (Battery Charging 1.2)
Dimension	(W x D x H) : 11.50 x 21.30 x 18.50 cm

Net Weight	4.90 KG
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31.USB Type C HUB



Brand	UGREEN
Model	UGREEN 5-in-1 4K 60Hz USB C HUB Docking Station Type C to HDMI 2.0 RJ45 PD 100W Adapter
Description	UGREEN USB C Hub 5 in 1 Thunderbolt 3 Type C to HDMI 4K30Hz for MacBook Pro 2021, MacBook Air 2020, iPad Pro 2021/2020, SAMSUNG S22+ Model:15214

32.USB Type C HUB



Brand	Baseus
Model	Baseus USB C Hub Type C to HDMI-Compatible USB 3.0 Adapter 4 in 1 Type C Hub
Description	Baseus USB C Hub Type C to HDMI-Compatible USB 3.0 Adapter 4 in 1 Type C Hub Laptop Port for Macbook Pro Air Notebook USB C RJ45 SD Splitter