

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ



دولة الكويت
الوزارة العامة للتربية والتعليم

الكويت، 13 تموز 2024

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الوزارة العامة للتربية والتعليم: (IUL)459-PL/459/2024/56

13 تموز 2024

الوزارة العامة للتربية والتعليم
الكويت، 27 تموز 2024

27 تموز 2024

10:00

Conferencing Headsets	USB wired, echo cancellation full over-ear headphones with oval-shaped dual ear-cups/earpieces, noise cancelling built-in microphone and remote/buttons to adjust volume, mute microphone
Warranty	Minimum of twelve (12) months parts and labour

2 مُتَوَسُّط

#2) Mini-Computer with accessories - Minimum Specifications (QTY: 3)

Type	Mini/Micro/Ultra Small/Ultra Compact Form Factor
CPU	Intel i5 12th Gen (or later)
Memory	16 GB RAM, DDR4 (SO-DIMM form factor or similar)
Storage	512 GB, M.2 2280 PCIe 4.0 x4 NVMe SSD
Network and Bluetooth	Gigabit LAN Ethernet 10/100/1000 Mbps; Bluetooth 4/5
Graphics	Intel UHD / Iris Xe Graphics, HDMI / D-port (Support up to 4K resolution @60Hz)
Monitor	Desktop 24" Flat Screen UHD Monitor with HDMI and DP-port; VESA mount compatible
Keyboard	Wireless Keyboard full-size (QWERTY Enhanced, 101 keys, U.S. layout) with Nano USB Receiver (Note: keyboard+mouse combo)
Mouse	Wireless Optical Scroll Mouse with Nano USB Receiver + Mouse pad (Note: keyboard+mouse combo)
Minimum Ports	USB A Front 1 Port and Back 2 Ports USB C Port (or 1 USB A to USB C Adapter) Headphone / Mic Port DC-IN port (Power adapter included)
TPM	fTPM 2.0 or TPM 2.0 onboard module included
OS	Genuine Win 11 Professional 64 Bit (23H2 or later)
Drivers	OEM drivers for the define OS
HDMI 50M Wireless Extender Transmitter & Receiver with USB-C Power Port (UGREEN)	Transmitter with 1xHDMI, 1xUSB-C; Receiver with 1xHDMI, 1xVGA, 1xUSB-C for power supply; Resolution of 1080P@60Hz; Transmission Distance of 50 m/164 ft; Must include x2 USB-A to USB-C cable for power and x1 USB-A power adapter (5V ± 5% ≥ 1A)
Additional Accessories	5 Meter Power code for the monitor
	5 Meter USB extension Cable
	USB A to HDMI Adapter
	USB A extension/additional HUB (Minimum 4 USB A ports)
	USB A to Ethernet Adapter (10/100/1000 Gigabit)

Other Requirements	PC must be VESA mount compatible. PC must be able to mount on to back of the monitor as it is or with a separate mounting bracket (which should be included if required for mounting)
Warranty	Minimum of twelve (12) months parts and labour

3 تعمیرات

#3) Notebook/Laptop - Minimum Specifications (QTY: 10)

Processor	Intel® Core i7, 12th Gen or later (mobile processor)
Motherboard	RAM Upgradable to 32GB; Integrated Sound Capabilities
Memory (RAM)	16 GB, Dual-Channel DDR4
Storage	512 GB M.2 NVMe SSD
Video Interface	Inbuilt Graphics (intel)
Network Interface	Gigabit Ethernet Network and Wireless(wifi6) 802.11 b/g/n and Bluetooth v4.0
Display	15" FHD/UHD Screen LED Anti-Glare Display
Keyboard	Full QWERTY Keyboard with integrated numeric keypad
Pointing Device	Built-in (touch) pointing device
I/O Ports	2x USB 3.0 Ports; 1x USB C Port; Gigabit LAN port; 1 Headphone & Microphone or Audio combo port; HDMI/D-Port; Kensington Slot
OS	Win 11 Professional 64bit Genuine (Version 23H2 or later)
Drivers	OEM Drivers for the defined OS
Webcam	Built-in AutoFocus 1080p Webcam with Microphone
Headset	USB wired, echo cancellation full over-ear headphones with oval-shaped dual ear-cups/earpieces, noise cancelling built-in microphone and remote/buttons to adjust volume, mute microphone
Battery	> 6 hours continuous use
Power/Environmental	AC Adapter; UK, ENERGY STAR
Additional Items	- Kensington N17 Laptop Computer Lock, Combination Security Locking Cable 6FT - Laptop Carrying Bag (Adjustable shoulder straps) - Wireless Optical Scroll Mouse with Nano USB Receiver
Warranty	Minimum of twelve (12) months parts and labour

4 تعمیرات

#4) Color Photocopy Machine - Minimum Specification (QTY: 1)

General	
Type	A3 Colour Laser Multifunctional
Core Function	Print, Copy, Scan, Send, Store
Control Panel	10.1" TFT LCD WSVGA Colour Touch Panel

Memory	Main CPU: 2 GB
	Image Processing CPU: 1 GB + 0.5 GB
Storage	(SSD) 256 GB
Interface Connection	NETWORK
	1000Base-T/100Base-TX/10Base-T, Wireless LAN (IEEE 802.11 b/g/n)
	NFC, Bluetooth Low Energy
	OTHERS
	USB 2.0 (Host) x1, USB 3.0 (Host) x1, USB 2.0 (Device) x1
Paper Supply Capacity (A4, 80 gsm)	1,200 sheets
	100-sheet Multi-purpose tray
	550-sheet Paper cassette x 2,
	Maximum: 2,300 sheets (with Cassette Feeding Unit-AW1)
Paper Output Capacity (A4, 80 gsm)	250 sheets
	Maximum: 3,450 sheets (with Staple Finisher-AE1 or Booklet Finisher-AE1 and Copy Tray-T1)
Finishing Capabilities	Collate, Group
	With options: Collate, Group, Offset, Staple, Saddle Stitch, Hole Punch, ECO-Staple, Staple-On-Demand
Supported Media Types	Multi-purpose tray: Thin, Plain, Heavy, Recycled, Coated, Colour, Tracing, Bond, Transparency, Label, Pre-punched, Letterhead, Envelope
	Cassette: Thin, Plain, Heavy, Recycled, Colour, Bond, Transparency, Pre-punched, Letterhead, Envelope
Supported Media Sizes	Multi-purpose tray:
	Size: SRA3, A3, A4, A4R, A5, A5R, A6R, B4, B5, B5R, Foolscap, India legal, F4A
	Custom size: 98.4 x 139.7 mm to 320.0 x 457.2 mm
	Free size: 100.0 x 148.0 mm to 304.8 x 457.2 mm
	Envelopes: COM10 No.10, Monarch, DL, ISO-C5
	Envelope custom size: 98.0 x 98.0 mm to 320.0 x 457.2 mm
	Size: A4, A5, A5R, A6R, B5
	Custom Size: 105.0 x 148.0 mm to 297.0 x 215.9 mm
Envelopes: ISO-C5	
Warm-up Time	Quick Startup Mode: 5 seconds or less

Print		
Print Speed (BW and CL, 1-sided)	iR-ADV DX C3835i: Up to 35 ppm (A4, A5, A5R, A6R), Up to 17 ppm (A3), Up to 23 ppm (A4R)	
	iR-ADV DX C3830i: Up to 30 ppm (A4, A5, A5R, A6R), Up to 15 ppm (A3), Up to 20 ppm (A4R)	
	iR-ADV DX C3826i: Up to 26 ppm (A4, A5, A5R, A6R), Up to 15 ppm (A3), Up to 20 ppm (A4R)	
	iR-ADV DX C3822i: Up to 22 ppm (A4, A5, A5R, A6R), Up to 15 ppm (A3), Up to 20 ppm (A4R)	
	Print Resolution (dpi)	1,200 × 600, 1,200 × 1,200 (half-speed)
	Page Description Languages	UFR II, PCL6
	Direct Print (RUI)	Supported file types: PDF, EPS, TIFF/JPEG, and XPS
	Fonts	PS fonts: 136 Roman
		PCL fonts: 93 Roman, 10 Bitmap fonts, 2 OCR fonts, Andalé Mono WT J/K/S/T (Japanese, Korean, Simplified and Traditional Chinese), Barcode fonts
	Operating System	UFR II: Windows® 8.1 / 10 / Server 2012 / Server 2012 R2 / Server 2016 / Server 2019, Mac OS X (10.11 or later)
		PCL: Windows® 8.1 / 10 / Server 2012 / Server 2012 R2 / Server 2016 / Server 2019
		PS: Windows® 8.1 / 10 / Server 2012 / Server 2012 R2 / Server 2016 / Server 2019, Mac OS X (10.11 or later)
PPD: Windows® 8.1 / 10, Mac OS X (10.11 or later)		
Copy		
Copy Speed (BW and CL, 1-sided)	iR-ADV DX C3835i: Up to 35 ppm (A4, A5, A5R, A6R), Up to 17 ppm (A3), Up to 23 ppm (A4R)	
	iR-ADV DX C3830i:	

	Up to 30 ppm (A4, A5, A5R, A6R), Up to 15 ppm (A3), Up to 20 ppm (A4R)
	iR-ADV DX C3826i: Up to 26 ppm (A4, A5, A5R, A6R), Up to 15 ppm (A3), Up to 20 ppm (A4R)
	iR-ADV DX C3822i: Up to 22 ppm (A4, A5, A5R, A6R), Up to 15 ppm (A3), Up to 20 ppm (A4R)
First-Copy-Out Time (A4, BW/CL)	iR-ADV DX C3835i: Approx. 5.5/7.4 seconds or less iR-ADV DX C3830i/C3826i/C3822i: Approx. 6.1/8.4 seconds or less
Copy Resolution (dpi)	600 x 600
Multiple Copies	Up to 999 copies
Copy Density	Automatic or Manual (9 Levels)
Magnification	Variable zoom: 25% to 400% (1% Increments) Preset reduction/enlargement: 25%, 50%, 61%, 70%, 81%, 86%, 100% (1:1), 115%, 122%, 141%, 200%, 400%
Scan	
Type	Colour Flatbed Scan Unit Platen Cover-Y3, Single Pass DADF-C1 or DADF-BA1 [2- sided to 2-sided (Automatic with DADF)]
Document Feeder Paper Capacity (80 gsm)	Single Pass DADF-C1: up to 200 Sheets DADF-BA1: up to 100 Sheets
Supported Media Sizes	Platen max. scanning size: 297.0 x 431.8 mm Single Pass DADF-C1: A3, A4, A4R, A5, A5R, A6R, B4, B5, B5R, B6R, Custom size: 69.9 x 139.7 mm to 304.8 x 431.8 mm DADF-BA1: A3, A4, A4R, A5, A5R, B4, B5, B5R, B6, Custom size: 139.7 x 128 mm to 297.0 x 431.8 mm
Scan Speed (ipm: BW/CL, A4)	Single Pass DADF-C1:

	1-sided Scanning: 135/135 (300 x 300 dpi, send), 80/80 (600 x 600 dpi, copy)
	2-sided Scanning: 270/270 (300 x 300 dpi, send), 160/90 (600 x 600 dpi, copy)
	DADF-BA1: 1-sided Scanning: 70/70 (300 x 300 dpi, send), 51 /51 (600 x 600 dpi, copy)
	2-sided Scanning: 35/35 (300 x 300 dpi, send), 25.5 /25.5 (600 x 600 dpi, copy)
Scan Resolution (dpi)	Scan for Copy: 600 x 600
	Scan for Send: (Push) 600 x 600 (SMB/FTP/WebDAV/IFAX), (Pull) 600 x 600
	Scan for Fax: 600 x 600
Pull Scan Specifications	Colour Network ScanGear2. For both TWAIN and WIA.
	Supported OS: Windows® 10 / 11 / Server 2012 / Server 2012 R2 / Server 2016
Send	
Destination	E-mail/Internet FAX (SMTP), SMB3.0, FTP, WebDAV, Mail Box
Address Book	LDAP (2,000) / Local (1,600) / Speed dial (200)
Send Resolution (dpi)	Push: up to 600 x 600
	Pull: up to 600 x 600
Communication Protocol	File: FTP (TCP/IP), SMB3.0 (TCP/IP), WebDAV
	E-mail/I-Fax: SMTP, POP3
File Format	TIFF, JPEG, PDF (Compact, Searchable, Apply policy, Optimize for Web, PDF/A-1b, Trace & Smooth, Encrypted, Device Signature, User Signature), XPS (Compact, Searchable, Device Signature, User Signature), Office Open XML (PowerPoint, Word)
Paper Supply Options	
Cassette Feeding	Paper Capacity: 550 sheets x 2 (1,100 sheets)
	Paper Type: Thin, Plain, Recycled, Colour, Heavy, Bond, Transparency, Pre-punched, Letterhead
	Paper Size: A3, A4, A4R, A5, A5R, A6R, B4, B5, B5R, Foolscap, India legal, F4A
	Custom Size: 105.0 x 148.0 mm to 304.8 x 457.2 mm
	Paper Weight: 52 to 256 gsm

Warranty and Support

Warranty and Support	Minimum of twelve (12) months parts and labour
	On-call and on-site technical assistance and support

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#5) Network Scanner - Minimum Specification (QTY: 10)

General	
Type	Desktop Type Sheet Fed Scanner (Network)
Scanning Sensor Unit	CMOS CIS 1 Line Sensor
Optical Resolution	600dpi
Light Source	RGB LED
Scanning Side	Front / Back / Duplex
Interface	USB 3.2 Gen1x1/USB 2.0, IEEE802.11b/g/n,
	10Base-T/100Base-TX/1000Base-T
Power Requirements	AC 100-240V (50/60Hz)
Scanning	
Black and White	45ppm / 90ipm
Colour	45ppm / 90ipm
Output Resolution	150 x 150dpi, 200 x 200dpi, 240 x 240dpi,
	300 x 300dpi, 400 x 400dpi, 600 x 600dpi
Output Mode	Monochrome (Active Threshold, Black & White, Error Diffusion, Advanced Text Enhancement, Advanced Text Enhancement II), 8-bit Greyscale (256-Level), 24-bit Colour
Duty Cycle	from 3,500 to 6,000 scans/day
Document	
Width	50.8 - 216mm
Length	54 - 356mm
Thickness	20 - 209g/m ² (0.04 - 0.25mm)
Long Document Mode	3000mm Max
Business Card Scanning	Size: 50 x 85mm or larger
	Thickness: Less than 0.45mm

Plastic Card Scanning	Size: 54 x 86mm
	Thickness: Less than 1.4mm
	(Embossed Card supported)
Passport Scanning	Up to 4mm thick (via carrier sheet)
Paper Separation	Retard Roller Method
Feeder Capacity	60-sheets (80g/m ²)
Other Features	
Special Features	Automatic Page Size Detection, 3-Dimensional Colour Correction, Colour Dropout (RGB), Colour Enhancement (RGB), Auto Colour Detection, Shadow Cropping, MultiStream, Adjustable gamma settings, Skip Blank Page, Folio Mode, Scan Area Setting, Prevent Bleed Through/Remove Background, Contrast Arrangement, Background Smoothing, Shadow Cropping, Auto Resolution Setting, Double Feed Release, Double Feed Detection
Warranty and Support	
Minimum of twelve (12) months parts and labour	
On-call and on-site technical assistance and support	

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#6) Desktop Scanner - Minimum Specification (QTY: 7)

General	
Type	Desktop Type Sheet Fed Scanner
Scanning sensor unit	CMOS CIS 1 Line Sensor
Optical resolution	600dpi
Light source	RGB LED
Scanning side	Simples / Duplex / Folio / Skip Blank Page
Interface	High speed USB 2.0 (USB 3.0 compatible)
	Wi-Fi (Windows, iOS, Android)
Power requirements	AC100 - 240V (50/60Hz)
Environmental compliance	ENERGY STAR
WI-FI	
Connection mode	Access Point Mode and Station Mode
Wi-Fi Security	Authentication method: Open, Shared, WPA (PSK),

	WPA2 (PSK) Encryption method: WEP(64/128), TKIP/AES
Data Rates	IEEE802.11b: Max 11 Mbps
	IEEE802.11g: Max 54 Mbps
	IEEE802.11n: Max 300Mbps
Scanning	
Black and White	25ppm/50ipm
Colour	25ppm/50ipm
Output resolution	150dpi, 200dpi, 300dpi, 400dpi, 600dpi
	Auto Resolution Setting
Colour Mode	Detect Automatically
	Black and White
	Error Diffusion
	Advanced Text Enhancement I
	Advanced Text Enhancement II (Windows only)
	256-Level Grayscale
24-bit Colour	
Daily duty cycle	Approx 1,500 scans/day
Document	
Width	J-Path : 50.8 - 216mm
	Straight Through : 50.8 - 216mm
Length	J-Path : 70 - 356mm
	Straight Through : 53.9 - 356mm
Thickness	J-Path : 52 - 128g/m ² (0.06 - 0.15mm)
	Straight Through : 40 - 209g/m ² (0.05 - 0.25mm)
Long document mode	Straight Through : Up to 3000mm
Card scanning	Straight Through : 53.9 x 85.5 mm, Thickness less than 0.76 mm (Embossed Card is supported)
Paper separation	Retard Roller Method
Feeder capacity	45-sheets (A4, 80g/m ²)
Additional Features	
Image Processing	Background Smoothing
	Prevent Bleed Through/Remove Background
	Erase Shadow
	Colour Dropout (RGB)
	Colour Enhancement (Red)
	Moire Reduction
Double Feed Detection	Ultrasonic Sensor / By Length
Others	Automatic Page Size Detection

	MultiStream
	Prescan
	Text orientation recognition
	Deskew
	Image Rotation
	Job Setting
Warranty and Support	
Minimum of twelve (12) months parts and labour	
On-call and on-site technical assistance and support	

7 مُتَوَاتِرٌ

#7) Desktop 24" Monitor - Minimum Specification (QTY: 15)

7	Desktop 24" Monitor	15	Dell P2422H/P2423D (24") FHD/QHD IPS Monitor with Built-in USB Hub, HDMI Port and DP-Port (both HDMI and DP cables must be included)
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