

Ministry of Social Development

المواصفات الفنية لأجهزة حاسوب وطابعات متعددة المهام
ونظام مراقبة كاميرات وأجهزة الاتصال مرئي / مهنة العمل
الاجتماعي

Personal Computer (PC)

| | |
|-------------------------------------|---|
| Brand | Well-Known Brand Name |
| Series | Enterprise Business Series |
| Manufacturing Requirements | The main system unit, Monitor, Mouse, and Keyboard must carry the same brand name |
| Processor | Intel® Core™ Ultra 5 235T vPro® (13 TOPS NPU, 14 cores, up to 5.0GHz) or better |
| Chipset | Intel Q870 or equivalent chipset |
| System Management | Intel vPro® Enterprise |
| Memory | 16GB DDR5 Memory, up to 5600 MT/s, non-ECC Upgradable |
| Storage | 512GB Performance SSD, SED Ready (Self-Encrypting Drive) |
| USB Ports | Min 6 Ports, Including 2 USB 3.2 and 2 USB 2.0 |
| Video Output | HDMI / DP |
| Slots | 1 M.2 2230 slot for Wi-Fi and Bluetooth combo card 2 M.2 2230/2280 slots for solid-state drive |
| Network & Communications | Gigabit integrated Ethernet, Bluetooth, and Wireless. Intel(R) AX211 Wi-Fi 6E 2x2 or above. |
| Graphics | HD Built-in |
| Monitor | 21.5", FHD 1920x1080, 100Hz |
| Monitor Mount | Smallest Mount possible or a dynamic arm that move in all directions |
| Audio | High definition, integrated sound system |
| Other connectivity | Audio jack 3.5mm Combo Jack / Security Lock slot Wedge Lock |
| General Specifications | USB Keyboard (Arabic and English) USB Optical wheel mouse and mouse pad All Accessories must have the same brand name thermally printed |
| Operating System | Free DOS, windows 11 pro support |
| Warranty | 3 Years warranty, including parts and labor on site |

Laptop

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|--------------------------|---|
| Brand | Well-Known Brand Name |
| Class | Business Series |
| Processor | Minimum Intel Core™ Ultra 7 vPro 265U (12 TOPS NPU, 12 cores, 14T, 12MB Cache) VPRO Feature must be active |
| Memory | Minimum: 16 GB- DDR5 - 5600 Free Slot Available for future upgrade |
| Storage | Minimum: 1 TB SSD M.2 |
| Graphics | Integrated Intel Graphics |
| Display | At least 15" FHD, Anti-Glare |
| Camera | FHD |
| Audio | 2 x Speakers integrated 2 x Noise Canceling Microphones |
| Keyboard | Arabic with back lights |
| | 1 x USB Type-C |
| | 2 x USB 3.2 |
| | 1 x HDMI |
| | 1 x RJ-45 10/100/1000 (1GbE) – is a must |
| | 1 x Audio jack |
| | Lock Slot |
| Wireless | Intel® BE202 Wi-Fi 7 2x2, BT 5.4 Wireless Card |
| Battery | Minimum 3-cells |
| Power Adapter | USB-C AC Adapter |
| Carrying Case | Same Brand Original Carry Case |
| Security Features | Firmware TPM 2.0 Camera Shutter Security Lock Slot |
| Certifications | ENERGY STAR®, EPEAT® Gold, TCO Certified |
| Instruction | Bidder must be listed partner with the mother company certificate must be proposed |
| Warranty | 3 Years warranty including parts and labor on site Next Business Day |

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Multi-Function Laser Printer or Equivalent Technology

| | |
|-----------------------------------|---|
| Printer type | Color |
| Function | Print, Copy and Scan |
| Max paper size | A4 |
| Memory | Not less than 128 MB |
| Processor | Not less than 700MHz |
| Technology | Laser or equivalent tech. |
| Connectivity | USB Cable not less than 1 meter (included). |
| Tray Capacity | Not less than 150 Sheets |
| Copying: | |
| Resolution | Not less than 600 x 600 dpi |
| Printing: | |
| 2-Sided Printing | Auto |
| A4 print speed | Not less than 20 sides per minute |
| Resolution | Not less than 1200 x 1200 dpi |
| First print out time | Less than 10 seconds |
| Recommended monthly volume | Not less than 2,500 pages |
| Scanning: | |
| 2-Sided Scanning | Auto (ADF) |
| A4 Scan speed | Mono: 20ipm (300x600dpi) |
| Resolution | Optical: Up to 600 x 600 dpi |

Wireless Access Point

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| Wi-Fi antenna | Internal omni-directional antennas, Dual-band 2x2:2 MIMO per radio |
| Transmit power | Adjustable transmit power up to 20 dBm per band with automatic RF optimization. |
| Input voltage | POE and/or 12V power adapter included |
| Wireless Standards | IEEE 802.11ax (Wi-Fi 6) with backward compatibility to 802.11a/b/g/n/ac Support OFDMA, MU-MIMO, 1024-QAM |
| Frequency and Signal Rate | 5 GHz data rate up to 2402 Mbps 2.4 GHz data rate up to 574 Mbps Aggregate throughput not less than 3.0 Gbps |
| Wireless Security | <ul style="list-style-type: none"> • Access Control • Wireless Mac Address Filtering • Rogue AP Detection • Wireless Isolation Between Clients • WPA-Personal/Enterprise, WPA2-Personal/Enterprise, WPA3-Personal/Enterprise • 802.1X authentication with RADIUS • Role-based access control • Integrated firewall policies • Secure guest access with Captive Portal |
| Wireless Functions | <ul style="list-style-type: none"> • MU-MIMO • OFDMA • Beamforming • Airtime fairness • Band steering • Seamless roaming (802.11k/v/r) • Wireless mesh support • Background scanning without service interruption |
| Networking | <ul style="list-style-type: none"> • 1 x 2.5 Gigabit Ethernet port (100/1000/2.5G Base-T) • Support IEEE 802.3at PoE+ • VLAN support (802.1Q tagging) |

High definition network video recorder (NVR)

| | |
|--------------------------|---|
| Input | 16 channel |
| Output | VGA, HDMI |
| Storage | SATA HDD Enough for one-month record at continuous recording at full camera resolution. Not Less than: 16 T.B |
| Network interface | At least 2 * RJ45 10M/100M/1000M adaptive Ethernet Interface |
| USB interface | At least 2 USB2.0 or above |
| Accessories | Mouse, keyboard |
| Certifications | CE |
| Form Factor | Rack |

Embedded video management software (VMS):

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|--|---|
| 1. Support H.265, H.264, and MIPEG compression. | 2. Supports other cameras brands (ONVIF). |
| 3. Supports Manual, Schedule & motion, continuous recording. | 4. Supports Motion detection. |
| 5. License should be life time and no yearly renewal fees. | 6. Remote access by client via internet Support (windows 7, 10,11). |
| 7. Exporting format: AVI, 3GP, JPEG. | 8. Event and Log Search by time, date, Event and alert. |
| 9. Supports Real-time viewing of live and playback. | |

Indoor IP Dome Camera 4 MP

| | |
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| Image sensor | progressive scan CMOS |
| Compression | H.265/H.264+/H.264/MPEG-4 |
| Frame Rate & Max Resolution | Not less than 20fps @ 4MP |
| Minimum Illumination | {Color: 0.1 Lux, B/W: 0Lux (IR on)} or better |
| IR Distance | Built-in IR effective to 30 m |
| Lens | Varifocal Lens motorized (2.8-12mm) |
| Day and Night | Auto (IR cut filter) |
| BLC | Support |
| Wide Dynamic Range WDR | 120 dB |
| Streams | Min 2 Streams |
| Digital noise reduction | 3D DNR |
| Motion Detection | Video Motion Detection (ability to specify motion detection area) |
| Security | password protection, IP addresses filtering, HTTPS encryption |
| Protocols | IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, QoS. |
| ONVIF | Support ONVIF |
| Casing and Protection | Vandal Proof IK10 and Dust & Weatherproof IP67 |
| Power Source | 12 VDC \pm 10%, Power over Ethernet (POE) (802.3af) |

UPS

| | |
|-------------------------------------|-------------------|
| Specs | 2 KVA |
| Power in VA | 2000 |
| Power in W | 1400 |
| Autonomy time @ nominal load | 7 |
| Nominal input voltage | 230 V |
| Power factor | >0.95 |
| Terminal Input | 1 x IEC (10A) |
| Terminal output | 6 x IEC |
| Free stand | Free stand / Rack |



Direct 75" 35

#86" Interactive 4K Display Screen

| | |
|---------------------------------|--|
| Panel Type | Direct, 60Hz |
| Resolution | 3840 × 2160 (4K UHD native resolution) |
| Brightness | Minimum 350–400 nits |
| Dynamic C/R | 4000:1 or better |
| Contrast Ratio | 1,200:1 or better |
| Viewing Angle | 178° horizontal / 178° vertical with no significant color distortion |
| Response Time | Minimum response time ≤ 5ms touch latency |
| Operation system | <ul style="list-style-type: none"> • Built-in Android OS (Android 14 or higher) • Minimum 8GB RAM and 64GB internal storage • Integrated whiteboard and wireless screen sharing capability |
| Management & Control | <ul style="list-style-type: none"> • Centralized remote device management capability • Over-the-air firmware updates • Remote monitoring and configuration • Support for device fleet management |
| Audio | <ul style="list-style-type: none"> • Built-in speakers not less than 2 × 15W • Front-facing speaker design preferred |
| Connectivity & Ports | <ul style="list-style-type: none"> • 2 × HDMI inputs • 1 × HDMI output • 1 × USB Type-C • 4 × USB Type-A • LAN (RJ45) • Built-in Dual-band Wi-Fi (2.4 / 5 GHz) • Bluetooth • Stereo mini jack audio out |
| Touch Technology | <ul style="list-style-type: none"> • Infrared (IR) multi-touch technology • Minimum 40 simultaneous touch points • High precision touch accuracy (≤2mm) • Pen and finger dual recognition • Palm rejection support • Writing latency optimized for smooth annotation |
| Warranty | <ul style="list-style-type: none"> • Minimum 1-year manufacturer warranty |

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Conference (Audio & Video) System

| Enterprise Modular Solution for Large & Extra-Large Meeting Rooms | |
|---|--|
| Camera System | |
| Lens Resolution | 4K Ultra HD (3840 × 2160) @ 30fps |
| Zoom | Minimum 15x HD zoom (5x optical + digital enhancement) |
| PTZ | Motorized PTZ with whisper-quiet mechanical movement |
| Field of View | Minimum 90° diagonal |
| Imaging Technology | <ul style="list-style-type: none"> • Advanced auto-framing and participant tracking • Wide Dynamic Range (WDR) • Low-light compensation and video noise reduction • Automatic white balance and exposure control |
| Connectivity | USB 3.0 plug-and-play connectivity |
| Installation | Flexible mounting (table, wall, display) and easy installation |
| Compatibility | Compatible with major video conferencing platforms including Microsoft Teams, Zoom, Google Meet, and equivalent systems. |
| Speaker system | |
| Type | Set of minimum two high-performance speakers for large rooms. |
| cable | Single-cable connection for signal and power |
| Audio Performance: | <ul style="list-style-type: none"> • Frequency response optimized for speech clarity • SPL output suitable for large meeting rooms (≥95 dB @ 1W) • 48kHz sampling rate • Wall or display mountable • Minimum 3" (76mm) driver with high-efficiency magnet |
| Microphones | |
| Type | Modular expandable microphone array system |
| Configuration | Set of at least 4 microphones included, Expandable via mic hubs, Ceiling and table mounting options |
| Mic technology | <ul style="list-style-type: none"> • Pickup range minimum 4.5 meters diameter per mic with mic hub to support any combination of mic or additional hubs. • Designed to support up to 20 participants or more • AI-based audio processing |

| | |
|--------------------------------------|--|
| | <ul style="list-style-type: none"> • Dedicated mute button with LED status indicator |
| Miscellaneous | |
| Processing & Connectivity | <ul style="list-style-type: none"> • Centralized table hub and display hub architecture • Single-cable connectivity between table and display hubs • USB interface to conferencing PC • HDMI output for display integration • Support for cable extension for large room deployment • Plug-and-play operation |
| Control & Management | <ul style="list-style-type: none"> • Remote management capability via vendor software platform • Firmware updates over USB or network • Device health monitoring support |
| Mounting & Installation | <ul style="list-style-type: none"> • Camera mountable on table, wall, or display • Speakers suitable for wall or display mounting • Microphones designed for tabletop placement with optional ceiling suspension • All necessary mounting kits included • Separate camera, speaker, and mic modules (not all-in-one bar) • Dual-hub architecture (table hub + display hub mandatory) |
| Warranty | Minimum 2-year manufacturer hardware warranty |

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Network Switch POE 24 Port

- Each switch shall provide 24 x 100/1000 Mbps UTP ports (PoE full ports)
- Each switch shall support 2 x 1G (SFP)
- Non – blocking architecture.
- Switch capacity: 50 Gbps at least.
- Forwarding Rate: at least 35 mpps.
- 370w power budget

18U Cabinet

- 18U Cabinet with cable management and Patch panel 24 port, PDU, fans.

BOQ

| Description | QTY |
|---|-----|
| PC's with Monitors | 30 |
| Laptops | 5 |
| Multi-Function Color Laser Printer or equivalent technology | 2 |
| Wireless Access Point | 2 |
| Network Switch POE 24 Port | 1 |
| Data Cabinet (18U) | 1 |
| NVR 16 Channel | 1 |
| Indoor 4 MP IP Camera (Dome) | 4 |
| 2KVA UPS | 1 |
| 75" Interactive 4K Display Screen | 2 |
| Conference (Audio & Video) System | 2 |
| Installation and Commissioning | 1 |

شروط خاصة

1. على المناقص المتقدم أن يكون متخصص في توريد وتركيب وتشغيل المكونات المطلوبة بالعطاء مدعماً بالسيرة الذاتية والمشاريع المشابهة المنفذة داخل المملكة الاردنية الهاشمية.
2. على المناقص المتقدم أن يقوم بزيارة للموقع قبل تقديم العرض وبالتنسيق مع مديرية تكنولوجيا المعلومات في وزارة التنمية الاجتماعية.
3. يجب تقديم Data Sheet لكافة البنود المطلوبة.
4. على المناقص توريد وتركيب كل القطع والكوابل والكماليات الضرورية لتشغيل كافة بنود العطاء حتى لو لم يرد ذلك ضمن المواصفات الفنية الواردة في العطاء.
5. يلتزم المناقص بتقديم نسخة اصلية ونسخة الكترونية من كتالوجات التشغيل والصيانة عند توريد الاجهزة لمديرية تكنولوجيا المعلومات وأية برمجيات خاصة بها.
6. يلتزم المناقص بتوريد وتركيب وتشغيل مكونات العطاء بالموقع المذكور أو أي موقع تحدده الوزارة.
7. على الجهة المنفذة (المحال عليها العطاء) تقديم المخططات النهائية الهندسية بعد التركيب والتنفيذ لبيان التمديدات ونقاط تركيب الكاميرات شاملة كافة كتالوجات وكتيبات التشغيل والصيانة وإية برمجيات اخرى ومخططات ترميز والترقيم الذي يحتاجه المشروع بما يحدده المعينون.
8. يمكن الغاء او زيادة (عدد او كمية) في اي بند من بنود العطاء دون ان يطرأ اي تغيير على سعر البند المقدم وحسب تعليمات المهندس المشرف.
9. المناقص ملزم بتدريب ثلاثة موظفين تحددهم الوزارة على تشغيل وإدامة مكونات النظام والبرامج المرفقة.
10. ان تكون كوابل الشبكة المستخدمة نسبة النحاس بها لا تقل عن 95% والطلب من نوعية ممتازة.
11. يلتزم المناقص بتركيب الملصق التعريفي على العناصر التالية:
Camera/ Cabinets/ Patch cords (Both sides) /Patch Panel / Access Point
12. يلتزم المناقص بإعداد النظام وربطه على الشبكة الداخلية للموقع (بنفس نطاق عناوين الشبكة) بما يتوافق مع متطلبات الوزارة وبناء على توجيهات المهندس المختص.
13. على المناقص تقديم كفالة صيانة مجانية لمدة 3 سنوات على كافة بنود ومكونات العطاء وشاملة لقطع الغيار والدعم الفني.

14. بأي حال من الأحوال يجب إصلاح أي عطل خلال فترة الصيانة المجانية خلال يومين عمل، من التبليغ علماً بأن الاتصال الهاتفي و/أو للبريد الإلكتروني هو وسيلة تبليغ رسمية.
15. يلتزم المناقص بأن تكون الأجهزة والأدوات المقنمة جديدة (100%) ومن أحدث الموديلات لدى الشركة الصانعة، وألا يكون قد توقف إنتاجها في سنة تقديم العرض.
16. مدة التوريد والتركيب لا تتجاوز 8 أسابيع من تاريخ التبليغ بقرار الاحالة المبني.
17. يجب على المناقص وضع جدول تكلفة الطباعة النهائية للورقة الواحدة مع احتساب تكلفة المستهلكات ضمن الاحتساب في حالة استخدام الحبر والمستهلكات الأصلية وفي حال استخدام الحبر والمستهلكات المكافئة، حيث سيكون تكلفة الطباعة عنصر مفاضلة مهم في دراسة العرض.
18. أي عرض غير ملتزم بأي من هذه الشروط سيعتبر مخالف وسيتم استبعاده.

عضو
محمود الحاج بلال
محمود

عضو
بلال غزال
بلال غزال

رئيس اللجنة
بلال غزال
بلال غزال