دائرة اللوزام والعطاءات Supplies and Tenders Department

جامعة عمان العربية دائرة اللوازم والعطاءات شارع الاردن – موبس العطاءاء رقم العطاءاء)

تجهيزات حاسوبية وكاميرات وسويتشات وألواح ذكية وتجهيزات أخرى لاستخدامها في قاعات التدريس عن بعد.

سعر النسخة (150) غير مُسترّد

آخر موعد لتقديم العروض

الساعم الثانيم بعد ظهريوم الاثنين الموافق 2021/3/15

فعلى الراغبين المشاركة في هذا العطاء مراجعة مدير اللوازم والعطاءات في الجامعة للحصول على نسخة من هذا العطاء اعتبارا من صباح يوم الاثنين الموافق 2021/3/1 ولغاية الساعة الثانية بعد ظهر يوم الثلاثاء الموافق 2021/3/9



Supplies and Tenders Department

1- Laptops

| Model | Well-Known Business Brand Name | |
|--------------------|---|--|
| Quantity | 50 | |
| Processor | 10th Gen Intel® Core i7-10510U processor (1.8 GHz base frequency, up to 4.9 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores) | |
| Chipset | Intel Integrated with processor | |
| Operating System | Free Dos | |
| Memory | 16GB DDR4 – upgradable | |
| Hard Drive | 512GB M.2 NVMe SSD | |
| Screen | (15.6") diagonal FHD IPS anti-glare slim (1920 x 1080) | |
| Webcam | Included | |
| Output Ports | Min. 2x USB 3.1 Gen 1 Port | |
| | Min. 1x USB Type-C 3.1 Gen 1 Port | |
| | Min. 1x HDMI | |
| | Min. 1x RJ-45 | |
| Fingerprint Reader | Included | |
| Network | Ethernet controller 10/100/1000 Mbps | |
| Wireless | Intel 802.11 ax wireless with Bluetooth | |
| Graphics | Intel® UHD Graphics, Premium | |
| Audio | Built in sound card with internal speakers | |
| Battery | Min. 3 cell Battery | |
| Warranty | Three years warranty including Labor & spare parts | |



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2- Graphics Drawing Tablet (pad)

| Quantity | 50 |
|--|----------------------|
| Battery-free pen | Yes |
| Pressure-sensitive pen | YES |
| PC | Windows® 10 |
| USB-A port and type c port (extra converter between USB- A port and type c port should be included if the pad does not support both ports) | YES |
| Size | At least 10*8 inches |
| Warranty | 1-3 years |



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3- Interactive Whiteboard

| Size: | 86" minimum |
|--------------------------|---|
| Quantity | 40 |
| Surface: | Ceramic surface |
| Touch: | 10-user finger touch |
| Writing style | Finger or Dry-Erase marker pen |
| Connection: | USB |
| Resolution: | 4k |
| Operating System | Win XP, Win 10, Win 7 |
| Record | Records all the work on PC in audio and video |
| Language support | Arabic & English |
| hand writing recognition | Yes |
| | Yes |
| Works with any Projector | res |
| Warranty | 3 years warranty |



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4- Business high-end laptop specification

| Model | Well-Known Business high-end Brand Name | |
|------------------|--|--|
| Models preferred | HP Elite Dragonfly, Microsoft Surface Pro, HP EliteBook x360, Dell Precision 7730, Lenovo ThinkPad X1 Carbon, HP ZBook Studio x360 or better | |
| Quantity | 3 | |
| Processor | 8th to 10th Gen Intel® Core i7 | |
| Privacy | Webcam screen blocker | |
| | Integrated Privacy Screen | |
| Security | Enterprise-grade protection with Windows Hello face sign-in | |
| Display size | 13-16" FHD | |
| | touch screen preferred | |
| Chipset | Intel Integrated with processor | |
| Operating System | Free Dos | |
| | Windows 10 supported | |
| Memory | 16GB DDR4 – upgradable | |
| Internal storage | 1Tera M.2 NVMe SSD | |
| Webcam | HD webcam must be Included | |
| Output Ports | Min. 2x USB 3.1 Gen 1 Port | |
| | Min. 1x USB Type-C 3.1 Gen 1 Port | |
| | Min. 1x HDMI | |



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| | Min. 1x RJ-45 |
|----------------------|--|
| Ports and Connectors | Thunderbolt |
| | headphone/microphone combo |
| | USB 3.1 |
| Fingerprint Reader | Included |
| Network | Ethernet controller 10/100/1000 Mbps |
| Wireless | Wi-Fi 6: IEEE 802.11 a/b/g/n/ac/ax compatible |
| Bluetooth | Bluetooth Wireless 5.0 LE technology |
| Graphics | Intel® UHD Graphics, Premium |
| Audio | Built in sound card with internal speakers premium sound |
| Battery | at least 7 hours life |
| | Fast charging |
| Pen | Preferred If available |
| Backpack | Premium |
| Warranty | Three years warranty including Labor & spare parts |



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5- Switch

| Model | Aruba 2930F 24G PoE+ 4SFP+ Switch(JL255A) |
|------------------------|--|
| Quantity | 1 |
| SFP+ | 2X |
| wireless access points | Aruba wireless access points compatible with JL255A |
| Warranty | Three years warranty including Labor & spare parts for switch and AP |

6- Ethernet Cable roll

| Length | 305 meter |
|----------|--------------------|
| Quantity | 1 |
| Туре | Shielded Cat 6e or |
| | Shielded Cat 7 |
| | Shielded Cat 8 |



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7- Network tool kit

| Must include | RJ11/12/45 modular plug crimper with cutter and stripper | |
|--------------|--|--|
| | Punch down tool with 66 &110/88 blades | |
| | UTP/STP cable stripper | |
| | Utility knife | |
| | 4 1/2" diagonal cutting pliers | |
| | 2-in-1 reversible screwdriver | |
| | LAN cable tester & Molded plastic hard case | |
| Quantity | 1 | |

8- Raspberry pi

Quantity: 1



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9- Bluetooth Headset

| Bluetooth Version | V 5.0 |
|--|--------------|
| Quantity | 50 |
| Operation Range | at least 10M |
| Battery Capacity | 180maH |
| Working Time | About 12 H |
| Charge Base must be included | Yes |
| USB charging cable must be included | Yes |
| Included microphone | Yes |
| microphone NOISE CANCELLING feature | Yes |
| One ear headset | Yes |
| Warranty: | 1 year |
| Bluetooth USB Adapter must be included and should be compatible with the headset | Yes |



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10- Monitoring Cameras

| Network Camera | 5MP WDR IR Mini-Dome Network Camera |
|--|--|
| Must be combatable with the NVRs and the Auto tracking Cameras | YES |
| Quantity | 40 |

11- **NVR**

| Network Video recorder | 64 Channel Super Network Video |
|------------------------|--------------------------------|
| | Recorder |
| 4K h.265 | Yes |
| Quantity | 1 |



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12- Switch

| Switch | 10/100/1000Mbps RJ-45 PoE+Port 370 W×24 |
|----------|--|
| | PoE budget |
| | 10/100/1000Mbps uplink RJ-45 +Port×2 |
| | 1/10Gbe uplink/stacking SFP/SFP Port×4 |
| | 24P Switch |
| Quantity | 3 |

13- SFP Fiber Optical Transceivers

| SFP Fiber Optical Transceivers (10 Gig) | |
|---|---|
| Quantity | 6 |

شاشة LED شاشة

| شاشة LED | 42 Inch |
|----------|---------|
| Quantity | 2 |





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15- PTZ Auto Tracking Teacher Camera

Goal: tracking for the instructor and for the board in the class room

| PTZ Auto Tracking Teacher Camera | 1/2.8 inch high-quality 4K CMOS sensor Support at least four streams Support multiple video output: SDI, USB 3.0, LAN Gig At least 3x zoom lens. Support MJPG/H.264/H.265 video compression. Built-in leading image recognition and tracking algorithm Ability to track on distance up to 9 m Supports multiple ways of installation (network installation is a must) Supports Dual audio channel Audio Compression AAC, MP3, G.711A Supports network protocols: RTSP, RTMP, ONVIF, GB/T28181 POE Support Can be connected to NVRs and VMS systems At least have 8-megapixel resolution Ethernet port USB 3 Port Auto tracking and Auto Focus capabilities Can be Integrated with Video Conferencing platforms (Zoom and MS Teams integration is a must) |
|----------------------------------|---|
| Quantity | 40 |



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16- Switcher & Recording & Live Streaming Devices and software:

Goal: control the tracking camera in the class room and collect the instructor tracking camera with board, and the video conference system (teams, zoom) in one screen

| Switcher & Recording & Live Streaming Devices and software | Supports up to 6 video sources. Supports direct SDI input source Ability to switch, capture, and overlays between videos. Ability to add backgrounds, effects, texts, to video sources. Ability to mix multi video sources. Ability to record the videos in 4K resolution. Easily share and stream the desktop screen Supports 4K videos Integrated with Skype, Facebook live, YouTube Supports multiple picture-inpicture layers during your live broadcasts Supports Multiple Channel Broadcasting Supports to stream on any streaming platform. (RTMP) Ability to control cameras settings directly. Ability to share video source from mobile via mobile app. Supports integration with third party system. |
|--|---|
| Quantity | 1 (to install and configure all PTZ Auto Tracking cameras) |



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17- Installation and configuration

| Installation and configuration | For items number ,11,12,13,14,15,16 |
|--------------------------------|-------------------------------------|
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