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| **Item** | **Specs** | **QT** |
| **Item (1): Servers** |
|  | * **Processor:**
* Installed: 2x Intel Xeon-Gold 6136 (3.0GHz/12-core/150W) Processor
* **RAM:**
* Installed: 64 GB upgradable to 3 TB
* **RAID Controller:** 12G SAS Modular Controller

- Supports RAID 0, 1, 1+0, and RAID 5- Supports 6G/12G SATA and SAS drives and SSD* **Internal Storage:**
* 4 x 1.6TB SAS 12G Mixed Use SFF (2.5in) SC SSD
* **Network:**

- 1Gb Ethernet 4-port adapter (embedded)- Ethernet 10Gb 2-port 535FLR-T Adapter* **Fiber HBA**
* 2x16 Gbps port adapter
* **Expansion & I/O**
* 4 USB 2.0, 4 PCI – E slots.
* **OS**
* Support windows Server 2019 , 2012R2 and above , Linux, VMWARE, ESX, Red Hat Enterprise Linux
* **Warranty**
* 3 Years warranty parts and labor
* **Power and cooling**
* Hot plug redundant PSU and redundant cooling fans power supply unit 220 Volt, 50Hz, compatible with Jordan Electricity standard
* **Form Factor**
* RACK MOUNT with all needed accessories to install in a rack cabinet with all needed cables
 | 2 |
|  | * **Processor:**
	+ Installed: 2x Intel Xeon-Gold 6136 (3.0GHz/12-core/150W) Processor
* **RAM:**
* Installed: 128 GB upgradable to 3 TB
* **RAID Controller:** 12G SAS Modular Controller
	+ Supports RAID 0, 1, 1+0, and RAID 5
	+ Supports 6G/12G SATA and SAS drives and SSD
* **Internal Storage:**
	+ 2x 800GB SAS 12G Mixed Use SFF (2.5in) SC SSD.
* **Network:**
	+ 1Gb Ethernet 4-port adapter (embedded)
	+ Ethernet 10Gb 2-port 535FLR-T Adapter
* **Fiber HBA**
	+ 2x16 Gbps port adapter
* **Expansion & I/O**
* 4 USB 2.0, 4 PCI – E slots.
* **OS**
* Support windows Server 2019 , 2012R2 and above , Linux, VMWARE, ESX, Red Hat Enterprise Linux
* **Warranty**
* 3 Years warranty parts and labor
* **Power and cooling**
* Hot plug redundant PSU and redundant cooling fans power supply unit 220 Volt, 50Hz, compatible with Jordan Electricity standard
* **Form Factor**
* RACK MOUNT with all needed accessories to install in a rack cabinet with all needed cables
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|  | * **Abroad training:**
* Certified Information Systems Security Professional.
* VMware vSphere: Install, Configure, Manage.
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| **Item (2): Patch Management Solution License** |
|  | * License for Ivanti Endpoint Mgmt & Security Suite Maintenance-Powered By Heat for 2 years
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| **Item (3): Cisco Routers ISR4331/K9** |
| * ISR4331/K9
* CON-SNT-ISR4331K
* SL-4330-IPB-K9
* PWR-4330-AC
* CAB-ACU
* MEM-FLASH-4G
* MEM-43-4G
* SISR4300UK9-168
* NIM-2GE-CU-SFP
* SM-S-BLACK
 | * Cisco ISR 4331 (3GE,2NIM,1SM,4G FLASH,4G DRAM,IPB)
* SMARTnet Or Cisco Partner Support Services (8X5XNBD ) for Cisco ISR 4331
* IP Base License for Cisco ISR 4330 Series
* AC Power Supply for Cisco ISR 4330
* AC Power Cord (UK), C13, BS 1363, 2.5m
* 4G Flash Memory for Cisco ISR 4300 (Soldered on motherboard)
* 4G DRAM (1 x 4G) for Cisco ISR 4300
* Cisco ISR 4300 Series IOS XE Universal
* 2-port GE WAN NIM, dual-mode RJ45 & SFP
* SMARTnet Or Cisco Partner Support Services (8X5XNBD ) for 2-port GE WAN NIM, dual-mode RJ45 & SFP
* Removable faceplate for SM slot on Cisco 2900,3900,4400 ISR
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| **Item (4): A10 Load Balancer** |
|  | * Thunder 840 ADC, 1U, 1xCPU, 5x1GC, 2x10GF, 8GB, 1xSSD, No LOM, No FTA/FPGA, No S+R ASIC,SSL Offloading, No H/W SSL.
* 1 Gig SFP Fiber transceiver - Short Range (mfg pn FTLF8519P3BNL)
* 24x7 Technical Support Access/Hardware warranty for 3 year
 | 2 |

**الشروط الخاصة**

1. العطاء قابل للتجزئة.
2. مدة التسليم (14) أسبوع كحد أقصى.
3. العطاء شامل التركيب والتشغيل.
4. العطاء شامل التسليم في مديرية الأمن السيبراني و تكنولوجيا المعلومات.
5. احضار شهادة من شركة (Cisco) تثبت أن جميع مواد (Cisco) التي تم شراؤها في هذا العطاء هي مواد تم شراؤها منها وهي مواد (Cisco) الأصلية.
6. الدورات شاملة كافة التكاليف من اقامة وتذاكر وتنقل ورسوم الدورة والتاشيرات وكل ما يلزم.
7. الدورات يجب أن تعقد من خلال مركز ومدرب معتمدين.
8. يجب الالتزام بكافة محتويات المواصفات والشروط.
9. كافة المواد يجب أن تكون من الأنواع المعتمدة في القوات المسلحة الأردنية – الجيش العربي

**Acceptable Brands**

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|  | ***Descriptions*** | ***Acceptable Brands*** |
| **1** | ***PC Servers, Midrange Sever*** | ***DELL , HP , IBM , FUJITSU , SUN***  |
| **2** | ***High End Server*** | ***DELL , HP , IBM , FUJITSU , SUN, UNISYS*** |
| **3** | ***PC’s (Desktop)*** | ***DELL , HP , FUJITSU , APPLE , LENOVO***  |
| **4** | ***Small Printers*** | ***SAMSUNG , RICHO , HP , XEROX , SHARP , CANON , OKI\*, BROTHER\**** |
| **5** | ***NOTE BOOK*** | ***DELL, HP, FUJITSU, SONY, APPLE, TOSHIBA, SAMSUNG, LENOVO.*** |
| **6** | ***DOT MATRIX & LINE PRINTER*** | ***EPSON, SEDCO MAGNA, TALLY, OKI*** |
| **7** | ***PLOTTER*** | ***HP , CANON*** |
| **8** | ***SCANNERS*** | ***HP , BENQ , EPSON , KODAK , CANON , XEROX , FUJITSU*** |
| **9** | ***UPS*** | ***GE, APC, EATON POWER WARE, EMERSON (LIEBERT), TRIPP-LITE, SOCOMEC, RITTAL, BPC, POWERWALKER, INFORM.*** |
| **10** | ***DATA SHOW*** | ***DELL, PHILIPS, CANON, ACER, PANASONIC, SONY, EIKI, EPSON, LG, HITACHI, SAMSUNG, SHARP, TOSHIBA, BENQ, VIEW SONIC, CHRISTIE, OPTOMA.*** |
| **11** | ***SCREENS*** | ***LG, SONY, TOSHIBA, SAMSUNG, PANASONIC, PHILIPS, SHARP.*** |

 \*Drum unit must be included in free warranty