

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

Information Technology Division

Ministry of Health

رِسْرَاقُ مَرَدِّ شَهْرٍ عَاصِمِ حَاضِرِيَّةٍ عَاصِمِيَّةٍ
دِرْسَتِيَّةٍ بِرِزْقِ رِزْوَانِ

Specification for Micro Desktop

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|-----------------------------|---|
| FORM FACTOR | Micro |
| MODEL | OptiPlex 3070 Micro (or EQUIVALENT) |
| PROCESSOR | Intel i5-9500T 9MB /6T/2.2GHz o 3.7GHz / 35W Six (6) Cores |
| RAM | 8GB DDR4 2666MHz |
| HARD DISK DRIVE | M.2 256GB PCIe NVMe Class 35 SSD |
| VIDEO INTERFACE | Intel Integrated Graphics |
| NETWORK INTERFACE | 100/1000 Mbps Gigabit Ethernet Qualcomm® QCA9377 Dual-band 1x1 802.11ac Wireless with MU-MIMO |
| BLUETOOTH | Bluetooth 4.1 with Internal Antenna |
| INPUT / OUTPUT PORTS | 6 – USB 3.0 (2 front/ 4 rear) 1 RJ-45, 1 DisplayPort, 1 universal Audio Jack, 1 Line-out 1 HDMI, 1 VGA (optional) 1 P2/Serial or Video port (optional) |
| MOUSE | Wireless Mouse (include module or dongle if required) |
| KEYBOARD | Wireless Keyboard (include module or dongle if required) |
| OPERATING SYSTEM | Windows 10 Professional 64bit (Genuine License) |
| DRIVERS | Drivers for the operating system |
| MONITOR 1 | 22" LCD/LED Monitor (Compatible with the PC) |
| WARRANTY | 1 Year / parts and Labor (Onsite Service and offsite) |

Specification for Black and White Printer

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| Printer | |
| QUANTITY | 1 |
| Printer Type | Monochrome Laser |
| PRINTING SPEED | Up to 18ppm (A4) First Print less than 8 seconds |
| PRINT BUFFER (RAM) | 32mb |
| RESOLUTION | 600dpi |
| MONTHLY DUTY CYCLE | Up to 5,000 pages |
| PAPER FEED | Automatic |
| PAPER TRAY CAPACITY | 150 pages |
| PAPER CASSETTE SIZE | A4 and A5 |
| INTERFACES | USB 2.0 |
| NETWORK ACCESS | Shareable over LAN through a PC or print server |
| DRIVERS | All Drivers for: <ul style="list-style-type: none">• Windows 10 Pro |

Specification for Layer 2+ Manage Switch

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|-----------------------------------|---|
| INTERFACES | 24 x 1Gb RJ-45 Ports 2x 10Gb sfp+ Uplink Ports (Minimum) |
| MAX PACKET FORWARDING RATE | Higher than 35 Mpps |
| FEATURES | Supported features: <ul style="list-style-type: none">• Port-based VLAN• Loopback Detection• WEB UI |

Specification for Server

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|--------------------------|--|
| QUANTITY | 1 |
| FORM FACTOR | Rack |
| PROCESSOR | Two (2) Processors |
| | 3.0GHz, 12M Cache (Minimum) |
| | Octa (8) Cores per processor (Minimum) |
| HARD DISK BAY | 8 x 2.5" SAS/SATA Hard Drive Hot pluggable |
| RAID CONTROLLER | 1 Raid controllers 1 GB Memory (Minimum) |
| DIMM SLOTS | Minimum 4 DIMM Slots with support of up 32GB for each Slot (Totaling 128 GB) |
| RAM | 64GB (32GB x 2) (Motherboard must support at least 128 GB of RAM) |
| HARD DISK DRIVE | Minimum 4 x 1.0TB SAS/SATA Hard drive Configured for Raid 5 |
| NETWORK INTERFACE | At least 2x 100/1000 Mbps Gigabit Ethernet |
| POWER SUPPLY | At least 2 Power supplies (Active / Active) Hot pluggable and full redundancy. Power Cables |
| OPERATING SYSTEM | Genuine Windows Data Center Edition 2016 or Above |
| WARRANTY | 1 Year / parts and Labor (Onsite Service and offsite) |

Specification for Server Rack

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| RACK HEIGHT | 24 U |
| RACK TYPE | Enclosure |
| DEPTH | Greater than 28 inches |
| FEATURES | Lockable front and rear doors Lockable and removable side panels Front and rear pairs of vertical rails with numbered square mounting holes (Adjustable in approximately quarter-inch increments) Top and bottom panel cable access openings Grounding Lug (front and back) |
| OTHER ITEMS | 40 m6 screws 40 m6 cage nuts 40 m6 washers 4 Casters 4 Levelers 2 Keys 1 Power distribution Unit (6 sockets) |