



Annex – 1

Specification of i7 Computer System (High end computer system)

Central Processing Unit (CPU)

Processor	Intel i7 9000 Series (9 th Generation)
Memory	16 GB DDR4
Memory Slots	X4 DIMM
Hard Drive	500 GB M.2 SSD (Primary for Operating System) 1 TB HDD 7200 RPM (Secondary)
Network Interface	Integrated 10/100/1000 Gigabit Ethernet LAN
Wireless Technology	Optional
Graphics	Dedicated 6 GB GDDR6
Power Supply	400W Efficiency 80+ Certified
Internal I/O Ports	X4 USB X1 PCIe Express x16 X1 Headphone X1 Microphone
External I/O Ports	x2 USB 3.0 x1 Headphone
Operating System	Windows 10 Professional 64 Bit
Warranty	2 Years



Peripheral Devices

Keyboard	USB Wired QWERTY Keyboard (With Volume Control)
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Mouse	USB Wired Optical Mouse
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Speakers	Optional
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Monitor

Screen Size	24 Inches
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Aspect Ratio	16:9
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Display Type	LED
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Refresh Rate	60 Hertz
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Uninterruptable Power Supply (UPS)

Output Power	650VA
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Output Connectors	X4 Battery Backup X1 USB
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Annex – 1.1

Specification of i5 Computer System (Mid End Computer System)

Central Processing Unit (CPU)

Processor	Intel i5 9000 Series (9 th Generation)
Memory	8 GB DDR4
Memory Slots	X4 DIMM
Hard Drive	500 GB M.2 SSD (Primary for Operating System) 1 TB HDD 7200 RPM (Secondary)
Network Interface	Integrated 10/100/1000 Gigabit Ethernet LAN
Wireless Technology	Optional
Graphics	-
Power Supply	400W Efficiency 80+ Certified
Internal I/O Ports	X4 USB X1 PCIe Express x16 X1 Headphone X1 Microphone
External I/O Ports	x2 USB 3.0 x1 Headphone
Operating System	Windows 10 Professional 64 Bit
Warranty	2 Years



Peripheral Devices

Keyboard	USB Wired QWERTY Keyboard (With Volume Control)
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Mouse	USB Wired Optical Mouse
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Speakers	Optional
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Monitor

Screen Size	24 Inches
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Aspect Ratio	16:9
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Display Type	LED
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Refresh Rate	60 Hertz
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Uninterruptable Power Supply (UPS)

Output Power	650VA
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Output Connectors	X4 Battery Backup X1 USB
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Annex - 02

Specification of 48 Port Manageable POE Gigabit Ethernet Switch

Ethernet Switch

Dimensions	442.4 x 399.6 x 43.7 mm (17.42 x 15.73 x 1.72")
Weight (With Brackets)	6.25 kg (13.78 lb) 6.34 kg (13.98 lb)
Interfaces	(48) 10/100/1000 RJ45 Ports
Networking	(4) 1/10G SFP+ Ethernet Ports
Management	Ethernet In-Band
Total Non-Blocking Throughput	88 Gbps
Switching Capacity	176 Gbps
Forwarding Rate	130.944 Mpps
Power Method	
Universal Input	100-240VAC, 50/60 Hz
USP RPS DC Input	52VDC, 11.54A; 11.5VDC, 5.22A
Power Supply	AC/DC, Internal, 660W
Voltage Range	100 to 240VAC
Max Power Consumption (Excluding PoE Output)	60W
LEDs	
System	Status
RJ45 Data Ports	PoE; Speed/Link/Activity
SFP+ Data Ports	Link/Activity



ESD/EMP Protection	Air: ± 16 kV, Contact: ± 12 kV
Shock and Vibration	ETSI300-019-1.4 Standard
Operating Temperature	-5 to 40° C (23 to 104° F)
Operating Humidity	10 - 90% Noncondensing
Certifications	CE, FCC, IC

POE

Total Available PoE 400W	600W
PoE Interfaces	PoE+ IEEE 802.3af/at
Ports 1-40	(Pins 1, 2+; 3, 6-)
Ports 41-48	60W PoE++ IEEE 802.3af/at/bt
802.3af/at	(Pins 1, 2+; 3, 6-)
802.3bt	(Pair A 1, 2+; 3, 6-) (Pair B 4, 5+; 7, 8-)
Max. PoE Wattage per Port by PSE	
802.3at	32W
802.3bt	64W
Voltage Range	
802.3af Mode	44-57V
802.3at/bt Mode	50-57V

