

**TECHNICAL SPECIFICATION OF NETWORK AREA STORAGE/ NETWORK  
ATTACHED STORAGE AND IT EQUIPMENT  
FAISALABAD INSTITUTE OF CARDIOLOGY, FAISALABAD.**

Sr. #	NETWORK AREA STORAGE/ NETWORK ATTACHED STORAGE Qty = 01 No.	
1.	CPU	Intel(or Equivalent)dual -core (4-thread) 2.6 GHz, max. boost clock up to 3.1 GHz or higher
	Memory	16 GB DDR4 expandabelupto 32 GB
	Compatible drive types	• 5 x 3.5" or 2.5" SATA HDD/SSD • 2 x M.2 2280 NVMe SSD
	Installed Drives	2 x 8TB HDD hot swappable
	External ports	2 x USB 3.2 Gen 1 ports 2 x Expansion ports (eSATA)
	LAN ports	4 x 1GbE RJ-45
	Networking protocols	SMB, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH, SNMP, and VPN (PPTP, OpenVPN™, L2TP)
	File systems	• Internal: Btrfs, ext4 • External: Btrfs, ext4, ext3, FAT32, NTFS, HFS+, exFAT
	Supported RAID types	Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, and RAID 10
	Storage management	Max. single volume size: 108 TB Max. number of system snapshots: 65,536 Max. number of internal volumes: 64
	SSD cache	Read/write cache support M.2 NVMe and 2.5" SATA SSD support
	File sharing capabilities	• Maximum local user accounts: 2,048 • Maximum local groups: 256 • Maximum shared folders: 512 • Maximum concurrent SMB/NFS/AFP/FTP connections: 2,000
	Security	Firewall, shared folder encryption, SMB encryption, FTP over SSL/TLS, SFTP, sync over SSH, login auto block, Let's Encrypt support, and HTTPS (customizable cipher suite)
File Sharing and Synchronization	Synchronizes files across Windows®, macOS®, Linux®, Android™, and iOS. The built-in cross-platform portal allows access to data anytime and anywhere Max. number of hosted files: 5,000,000 • Max. number of concurrent connections for PC clients: 350	
Directory Services	Connects with Windows® AD/LDAP servers enabling domain users to login via SMB/NFS/AFP/FTP/File Station using their existing credentials	

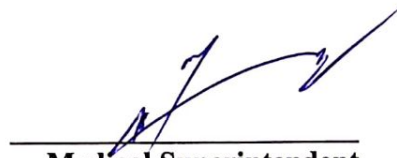
Computer System with LED Display Qty = 10 Nos.		
S.#	ITEM	DESCRIPTION
2.	Processor	Intel® Core i5-12 <sup>th</sup> generation Processor 2.80 GHz base 12 MB cache, 6 Core CPU
	Mother Board	Intel original Compatible Motherboard
	Memory	Min 16 GB DDR4, 2 DIMM Slots
	Hard Disk Drive	1 TB SATA with 7200 RPM or higher
	Super Drive Internal	CD+/-RW and 8X DVD RW 16X DVD R or higher, compatible with Microsoft Windows Vista/7/8/8.1/10/2012
	Display Card/Sound Card	Built-in Video Graphics Display and Sound Card
	Network Adapter	Built-in 10/100/1000 base-T Gigabit Ethernet card (Microsoft Windows 7/8/10/11 Wake on LAN (WOL) support
	LED	18.5" or Higher LED Widescreen Flat Panel Display Monitor, Low Radiation, 1024 x 768 Resolution supportive.

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	Mouse & Key	Standard Keyboard and 2.0 USB 2-Buttons Optical Mouse with Scroll.
	Casing	Manufacturer Standard casing with standard Power Supply
<b>NOTE:</b> 1 Years Parts and Labor warranty for all components on site		
3.	Operating System (Optional)	Microsoft Windows 10 Professional Media Kit and licenses
Note: Please(Quote Separate Price for Operating System		

**Manufacturer: USA/EUROPE/JAPAN**

S.#	ITEM Name	DESCRIPTION	QTY
4.	LaserJet Network Printer 38-40PPM with data cable for connectivity with computer	Print speed black: Normal Up to 40 ppm Print Resolution 1200 x 600 dpi Processor speed 1200 MHz or higher Memory, standard 256 MB Duty cycle (monthly, A4) Up to 80,000 pages Recommended Monthly Pages: 750 To 40 00 Display control panel, Button LED Connectivity: Hi-Speed USB 2.0, Network ready Toner Refillable, Parts should be available in the market. 01 Year Parts and Labor warranty for all components on site	15
5.	LaserJet Printer 23PPM with data cable for connectivity with computer	Print speed black: Normal Up to 23 ppm Print Resolution 600 x 600 dpi Memory, standard 64 MB Duty cycle (monthly, A4) Up to 25,000 pages Connectivity :Hi-Speed USB 2.0, Toner Refillable, Parts should be available in the market. 01 Year Parts and Labor warranty for all components on site	10
6.	Hard Disk	300 GB, 10K rpm, SAS 6Gb, compatible with Lenovo System X3650 M5 server	02

  
**Medical Superintendent**  
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 Faisalabad.

