Product Specification List

Item: Network Attached Storage (NAS) – 01 No.

Sl. No.	Specification	Minimum Requirement
1	Type	Network Attached Storage (NAS)
2	Processor	AMD Ryzen V1500B or equivalent, Quad-Core (4 Cores/8 Threads), 64-bit
3	Processor Speed	Minimum 2.2 GHz
4	System Memory	Minimum 4 GB DDR4 ECC RAM, expandable up to 32 GB
5	Drive Bays	Minimum 4 × 3.5"/2.5" SATA HDD/SSD Bays
6	M.2 Slots	Minimum 2 × M.2 2280 NVMe SSD Slots
7	Hot Swap	Supported for HDD/SSD Drive Bays
8	Expansion	Support for expansion unit with minimum total 9 drive bays
9	RAID Support	SHR, Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 6 and RAID 10
10	LAN Ports	Minimum 2 × 2.5 Gigabit Ethernet (RJ-45)
11	USB Ports	Minimum 2 × USB 3.2 Gen 1
12	Expansion Port	Minimum 1 × USB Type-C Expansion Port
13	File Systems	Btrfs and ext4
14	Supported Protocols	SMB, NFS, FTP, WebDAV, Rsync, iSCSI
15	Operating System	Linux
16	Power Supply	100–240 V AC, 50/60 Hz
17	Operating Temperature	0°C to 40°C
18	Certification	BIS, CE, FCC, UKCA, RoHS Compliant
19	Warranty	Minimum 3 Years OEM Warranty
20	Accessories	Power Adapter, Power Cord, Two RJ-45 LAN Cables and all standard accessories
21	Documentation	User Manual, Warranty Certificate and OEM Documentation

Hard disk details

Sl. No. Specification Minimum Requirement

1 Type Enterprise NAS Hard Disk Drive

2 Capacity 4 TB per drive

3 Form Factor 3.5-inch SATA HDD

4 Interface SATA III (6 Gb/s)

5 Rotational Speed Minimum 5400 RPM

6 Cache Memory Minimum 256 MB

7 Workload Rating Minimum 550 TB/year

8 Drive Class Enterprise/NAS Grade, suitable for 24×7 continuous operation
9 Compatibility Fully compatible with the quoted NAS model
10 RAID Support Suitable for RAID 0, 1, 5, 6 and 10 configurations
11 MTBF Minimum 2.0 Million Hours
12 Operating Environment Designed for 24×7 operation in NAS systems
13 Warranty Minimum 5 Years OEM Warranty