

Introducing series for AWANSTOR Storage Appliance

AWANSTOR

IX Series

Made in INDIA

Why AWANSTOR?



Sharing files

Centralized storage with a user-friendly GUI, advanced data protection, and high-bandwidth interconnect for efficient file transfer and collaboration.



Media streaming

A Next-Gen solution for media storage and streaming. Supports HD, 4K, 8K workflows and multi clients for push and pull workflows. Ideal for playout storage in broadcast, streaming, and video production.



Network Access

If you have multiple computers in your small medium business. Storage controller is easy to store and access files - just drag & drop.



Affordable

Storage servers are versatile in design and affordable with various ranges tailored for the custom configuration and latest towards the market trends



Performance

Performance of AWANSTOR is supreme and support of latest network cards of speed 10/25/40/100Gbps and support of PCIe Gen3/4/5 outperform most workload



Shared storage

Shared access general storage is meant to be accesible from any clients i,e Windows/Linux/Apple from anywhere in the network without hassle. AWANSTOR provides various protocols to access the data securely.

Why AWANSTOR?



Efficiency

AWANSTOR provides compression and deduplication inline technology that means as soon as the data comes into or goes out storage is get compressed or decompressed on fly. Dedupe makes sure that data is stored once on the storage pool.



ThinProvisoin

Provsion the volume size as it grows in the furute. Workflows are useful for VMware kind of environment. Cloning is another feature that can be more efficient without using additional space.



No Vendor Lock

FreeBSD is the base kernel that AWANSTOR uses to keep the latest security up-to date. OpenZFS 2.x is used as FileSystem which provide a world class feature sets that you can always trust. We dont lock your hardware



Quotas

Set user limit of the space that one can use so that storage wont get filled quickly by an hungry user. Quotas allows users to be on limit of the accessible space. This can be changed anytime by admin.



Backup

Remote, Local both back mode is supported. Files can be auto replicated during the mode of creation keeps multiple files at one location for safe.



Snapshot

Unlimited snapshot support and ability to send the snapshot as a point of reference for ZFS send and receive for files backup


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D4X24ST

Technical Specification

| | | |
|----------------------|------------------------------|---|
| Chassis | Form factor | 4U Rack Mount |
| | Bays | 24 Hotswap |
| | Drive size | 3.5"/2.5" |
| CPU | Installed | 1x 2nd Generation Intel Xeon Scalable Processor |
| | Upgradeable | 2x 2nd Generation Intel Xeon Scalable Processor |
| Memory | Installed | 16GB DDR4 ECC |
| | Upgradeable(Max) | 1.5GB DDR4 ECC |
| Network | Onboard | 4 x 1GbE (LAN1 shares IPMI port) |
| | Upgradeable | 10G/25G/40G/100G |
| Supported Disk type | Installed | 3.5" Enterprise SATA 6Gbps |
| | Upgradeable | 3.5" 12 Gbps NL SAS, 2.5" Enterprise 12Gbps SAS, SSD |
| USB | 2 x USB 3.2 Gen1 ports(Rear) | |
| RAID Level | Installed | RAID0, RAID1, RAID10, RAID5 |
| | Upgradeable | RAID 6, RAID50 , RAID60 |
| Power supply | RPS 1600W | |
| Controller | Single , PCIe Gen3 | |
| Platforms Supported | Linux OS | Ubuntu Server 22.04.3 LTS, Ubuntu Desktop 22.04.3, Debian 12,Proxmox VE 8.1, CentOS 8.1/RHEL, Fedora, OpenSUSE/SLES |
| | Windows | Windows 10/11, Windows Server 2019/2022 |
| | AWANSTOR (SDS) | IX Series , IX+ Series |
| Ordering Information | D4X24ST-SCX21-24-RD-SKU1 | |


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IX Series

Key Features

Capacity

- Single Capacity HDD at 20TB single drive
- 24 bay HDD
- X86_64, 12 x DDR4 2933/ 2666/ 2400/ 2133 MHz RDIMM/ LRDIMM up to 1.5GB
- PCIe Gen3

Versatility

- NAS. iSCSI
- Microsoft (CIFS/SMB) FTP
- Linux/Unix (NFS) HTTP
- Low power design, with drive spin-down feature
- Management feature using simplify AWANSTOR System Manager GUI
- Inbuilt Firewall, Network Access Control for shares
- Advance File Policy
- Apple AFP/Bonjour support SNMP
- Windows DFS WebDav
- VLAN tagging

Capability

- On-disk data protection and organization as RAID 0,1,10,5,6,50,60 (aka RAIDZ1 , Z2 & Z3)
- Automatic RAID rebuild and hot swap drives.
- Auto Alerts for Disks, Memory, CPU and Cable errors.

Simplicity

- Storage pools group drives of like size and RAID protection together to simplify management

Expandability

- Add storage capacity by simply adding drives in the unpopulated drive bays
- Added drives can be brought into an existing storage pool or made into a new storage tool
- Additionally, USB connected hard disk drives can be attached and used as share



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