

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



D2X12ST

Technical Specification

Chassis	Form factor	2U Rack Mount
	Bays	12 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 550W	
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	D2X12ST-SCX21-12-RD-SKU1	

IX Series

Key Features



AWANSTOR  Certified

Capacity

- Single Capacity HDD at 20TB single drive
- 12 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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