

Exatron XSAN Storage

Best Hybrid Performance for Modern Enterprise Applications



Outstanding Performance

- Capacity required with dual active architecture
- Ultra-high performance with 20 GB/s and 1.8M IOPS
- Outstanding scale-up capability up to 11 PB

Dependable Data Experience

- 99.999% high availability design with no single point of failure
- Cache-to-flash to protect cache data in power outage
- Non-disruptive firmware upgrade ensures continuous data service with zero downtime

Versatile Connectivity

- Each controller with built-in 4-port 10 GbE (SFP+) and maximum 12 host ports allows direct connection to multiple hosts without switches
- Optional high-speed 25 GbE iSCSI and 32 Gb Fibre Channel host cards

Modern Simplicity

- XSAN, a flash-based storage management system, minimizes the learning curve and eases maintenance
- through an intuitive GUI
- Data can be accessed in 5 minutes after installation
- Wake-on-SAS allows you to remotely power on / off all cascaded XDAS expansion units for power saving

Optimized Performance and Capacity for Mixed Workloads

The Exatron XSAN 5324 (3.5" 4U 24-bay) is a capacity-demanding hybrid flash storage. Its multi-bay design minimizes enterprise footprint and power consumption while maximizing storage space. Ultra-high performance is designed to be the ideal solution for applications in mission-critical data centers, high-performance computing, virtualization, or media environments.

High Availability and Enterprise Reliability

The Exatron XSAN series is a proven high availability SAN storage system with full redundancy in modular design. Its dual-active architecture and automatic failover / fallback mechanism, coupled with cache-to-flash technology, enables the system to withstand critical situations.

Flexible I/O Modules and Scale-up Capacity as Needed

Each controller has two host card slots that can be configured as iSCSI, Fibre Channel, or a mix of both besides built-in 4-port 10 GbE iSCSI (SFP+). As a result, the series offers great flexibility with built-in 8-port 10 GbE iSCSI (SFP+) and up to 24 host ports in a dual-controller system. In addition, the XS5324 provides massive scale-up capabilities by connecting XCubeDAS or 3rd-party expansion units with up to 504 disk drives or 11 PB raw capacity for future data growth.

Advanced Data Protection to Safeguard Assets

To protect against data loss and downtime events, XSAN provides complete arraybased backup functions including local backup and remote replication. Based on snapshot technology, a solid safety net for disaster recovery can be built to meet the required RPO and RTO.

Secure Data and Secure Management

Supporting SED (Self-Encrypting Drives) will keep your sensitive data safe even if the drives are lost, stolen, or misplaced. Additionally, RBAC (Role-Based Access Control) helps to prevent unauthorized access to your data. All management communication is secured over https.

Feature	Technical Specifications
Model	Exatron XSAN Storage
Processor	Intel® Xeon® 64-bit 4-core
Memory Module Pre-installed	16 GB DDR4 ECC DIMM (per controller)
Total Memory Slots	4 (per controller)
Memory Expandable up to	256 GB (per controller)
Drive Bays	3.5" Slot x 24
Maximum Drive Bays with Expansion Unit	504
Compatible Drive Type	• 3.5" & 2.5" SAS, NL-SAS, SED HDD • 2.5" SAS, SED SSD
Drive Interface	SAS 12 Gb/s
Maximum Internal Raw Capacity	528 TB (calculate 22 TB HDD)
Maximum Raw Capacity with Expansion Units	11,088 TB (calculate 22 TB HDD)
Hot Swappable Drive	Yes
PCIe Expansion	(Gen3x8 Slot) x 2
1 GbE RJ45 LAN Port	1 (onboard management port per controller)
10 GbE SFP+ LAN Port	4 iSCSI (onboard per controller) / 4 iSCSI (option)
10 GbE RJ45 LAN Port	2 iSCSI (option)
25 GbE SFP28 LAN Port	2 iSCSI (option)
16 Gb SFP+ Fibre Channel	2 (option) / 4 (option)
32 Gb SFP28 Fibre Channel	2 (option)
12 Gb/s SAS Wide Port	2 (onboard per controller)
USB Port	1 (front) / 2 (rear)
Others	Console Port x 1, Service Port (UPS) x 1
Storage OS	Exatron XSAN

RAID Type	0 / 1 / 5 / 6 / 10 / 50 / 60 / 5EE / 6EE / 50EE / 60EE / N-way mirror
Storage Efficiency	Thin provisioning
Software Acceleration	SSD cache (option) / Auto tiering (option)
Data Protection	Snapshot / Local volume clone
Remote Replication	Asynchronous (built-in) / Synchronous (option)
Security	HTTPS / SSH / iSCSI CHAP / ISE & SED
Management	Web UI / Serial console / RESTful API / S.E.S. / LCM
Dimension (H x W x D) (mm)	170.3 x 438 x 515
Net Weight (kg)	25.9
Gross Weight (kg)	28.3
Memory Protection	Cache-to-Flash (Supercapacitor Module + Flash Module) (option)
System Fan	4 pcs
Power Supply Unit	850 W x 2 (80 PLUS Platinum)
Power Consumption	648 W
Standard Warranty	• System: 3 years • Supercapacitor Module: 1 year

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