XCubeSAN 3300 Series

Optimize Price and Performance for SMB Workloads

Key Benefits

Outstanding Performance

- Excellent performance with 12.8 GB/s and 1.3M IOPS
- Outstanding scale-up capability up to 16.7 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

- XEVO, its 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 XCubeDAS expansion units for power saving

Overview

The XCubeSAN 3300 series is an entry-level block storage array optimized for budget-sensitive SAN environments with a focus on outstanding performance, modern simplicity, and affordability to meet SMB workloads. The series is ideal for modern enterprise applications such as virtualization, media editing, large scale surveillance, and backup.

Leading Density with Uncompromised Performance

The XS3300 range of SAN's includes the industry leading density 2U 26-bay, small form factor XS3326. QSAN's host cards allow the XS3300 range to offer great flexibility with built-in 8-port 10 GbE iSCSI (SFP+) and up to 24 host ports in a dual-controller system, enabling direct connection to multiple hosts without switches. Additional host cards include 32 Gb / 16 Gb Fibre Channel and 25 GbE / 10 GbE iSCSI options. With the ability to deliver 1.3M IOPS and 12.8 Gb/s throughput, the new QSAN XS3300 has enough horsepower for even the most demanding workloads.

Virtualization

The XS3300 series can deploy multiple virtual machines with high IOPS and low latency. Even under plenty of real-time access, the virtual machine servers will not slow down.

Media Editing

The XS3300 series improves the production efficiency of synchronized media and produces more animations. The workstations will not cause excessive processing time due to real-time collaboration.

Large Scale Surveillance

High-definition cameras bring higher bandwidth requirements, increased write speeds and storage capacity. The XS3300 series meets the performance requirements of thousands of cameras.

Backup

To protect against data loss and downtime events, XEVO provides complete array-based backup functions including local backup and remote replication.

PROTOCOLS

iSCSI | Fibre Channel | NVMe | SATA SSD 6 | SAS SSD 12

AGILITY SERVICES

QThin | QoS

DATA PROTECTION

QSnap | QClone | QReplica

ENGINE

NTB | QSOE | Space Reclaim | 999 999 Reliability

VIRTUALIZATION & APIs

VAAI | ODX | VDI | RESTful

MONITORING

QReport | Task Monitoring

SECURITY

QAuth | SED & ISE

FLASH MANAGEMENT

QSLife | QSRAID | LVM | XFinder

Proven Simplicity - "Set and Forget" Data Services

XEVO, its storage management system with intuitive GUI designs, helps to save time in storage deployment considerably. XEVO also delivers enterprise storage features including complete RAID level protection, RAID EE with fast rebuild, thin provisioning, SSD cache, auto-tiering, and more. With the help of an intuitive dashboard and reporting system, managers can analyze business usage and monitor storage status in real time.

High Availability and Enterprise Reliability

With the exponential growth of data, fast, stable, and easy to manage have become the foundation of modern IT. The XCubeSAN series provides a complete storage solution that accelerates data transmission and simplifies the complex management process from construction to maintenance. Make enterprises focus on value creation instead of operation management.

- **Dual-Active Design**
  The XCubeSAN series is a proven high availability SAN storage system with full redundancy in modular design. Its dual-active architecture and automatic failover / failback mechanism, enables the system to withstand critical situations.
- **Scale-up Solution**
  The XS3300 provides massive scale-up capabilities by connecting XCubeDAS or 3rd-party expansion units with up to 546 disk drives or 16.7 PB raw capacity for future data growth.
- **Cache-to-Flash Memory Protection**
  The XS3300 now offers battery-free cache backup, but instead uses compact flash and supercapacitors that have advantages over batteries to protect cached data during power outages.

XS3300 Series Specification Highlights

Model Name	XS3324D (Dual) XS3324S (Single)	XS3316D (Dual) XS3316S (Single)	XS3312D (Dual) XS3312S (Single)	XS3326D (Dual) XS3326S (Single)
Form Factor	4U 24-bay, LFF	3U 16-bay, LFF	2U 12-bay, LFF	2U 26-bay, SFF
CPU	Intel® Xeon® 64-bit 4-core			
Memory	8 GB RAM DDR4 ECC-DIMM (up to 256 GB) (per controller)			
Max. Drive (Expansion Units)	504	496	492	546
Compatible Drive Type	3.5" & 2.5" SAS, NL-SAS, SED HDD 3.5" & 2.5" SATA(*) HDD 2.5" SAS, SATA(*), SED SSD			2.5" SAS, NL-SAS, SED HDD 2.5" SATA(*) HDD 2.5" SAS, SATA(*), SED SSD
Drive Interface	SAS 12 Gb/s, SATA 6 Gb/s(*) (*) SATA drives only work with single controller systems			
Max. Capacity (Expansion Units)	11,088 TB (caculate 22 TB HDD)	10,912 TB (caculate 22 TB HDD)	10,824 TB (caculate 22 TB HDD)	16,733 TB (caculate 30.72 TB SSD)
1 GbE RJ45 LAN Port	1 (onboard management port)			
10 GbE SFP+ LAN Port	4 (onboard) / 4 (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)			
12Gb/s SAS Wide Port	2 (onboard)			
Certification	CE / FCC / BSMI			
Warranty	System: 3 years / Supercapacitor Module: 1 year			

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