

QSAN Storage Expansion Unit

XD5378

Perfect RAID Expansion for QSAN Storage

Key Benefit

Resilient Expansion

- 8 x 12 Gb/s SAS wide port
- Up to 384 Gb/s Bandwidth
- Support comprehensive connection topology, drive partition and automatically configure while in operation
- Compatible with VMware vSAN and Microsoft Windows Server

Smart Cabinet Design

- Independent hard drive power management
- Supports chassis cable management tools
- Tool-free hard drive tray
- Tailored for 1-meter depth rack-mount server cabinets

Enterprise Reliability

- Dual-active controller and redundant mechanism with no single point of failure
- Hot-swappable design for easy maintenance and management
- Eco-friendly energy technology

Expandable Storage Capacity with Agility

The XD5378 is a cost-effective DAS or JBOD expansion chassis designed for server expansion and is fully compatible with QSAN's entire storage product line. It features 78 LFF drive bays and offers flexible drive configuration. With up to 12 Gb/s performance, the unit integrates high scalability with four Mini SAS HD wide ports per expansion module, redundant fan designs, and a streamlined architecture for enhanced efficiency and control.

Reliable Enterprise Availability

The XD5 series adopts a fully modular, cable-less architecture. Alongside dual active controllers, all critical internal components—such as power modules, fan modules, and hot-swappable parts—are designed with full redundancy. In the event of component failure, the immediately alerts to the manager with clear status displays via the central management software without interrupting system operations.

Perfect Expansion for QSAN Storage Solutions

As an expansion unit for QSAN's full range of storage systems, administrators can monitor all aspects of the expansion unit from the head system, including power status, fan operation, and drive health. Firmware updates can also be conveniently performed via the head system if needed.

Multipath Storage Access

The XD5 series provides a fault-tolerant and load-balanced storage system. From frontend to backends, each data path features hardware and firmware redundancy, and fully supports Microsoft Windows MPIO, failover clustering, and Linux multipathing. The OS-level multipathing software layer leverages these redundant paths to enhance performance through load balancing, path failover, and dynamic reconfiguration.

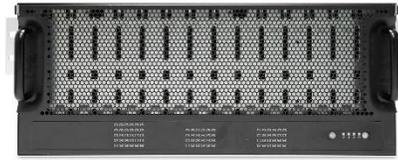
Versatile Topology Support

The XD5 series supports all SAS topologies and configurations for both host and expansion ports, including daisy chain, reverse, and tree structures. Each system supports up to 8 SAS ports, enabling clear resource planning and maximizing both performance and capacity

Drive Partition

Users can divide specific drive groups into independent partitions, enhancing management and security by allowing different hosts to access the same DAS system while maintaining distinct access control by partition.

Appearance



1. Enclosure Power Button
2. Power indicator LED
3. Enclosure Status LED
4. Enclosure Temperature LED
5. System Fan Status LED
6. Buzzer Mute Button
7. Management Port
8. 12 Gb/s SAS Wide Port
9. Console Port

System Specification

Model Name	XD5378D
Architecture	Dual-active controller
Storage	
Drive Bays	3.5" slot x 78
Compatible Drive Type	3.5" SAS HDD
Drive Interface	SAS 12 Gb/s
Maximum Internal Raw Capacity	2,028 TB
Hot Swappable Drive	Yes
Connectivity Port	
12 Gb/s SAS Wide Port	8
Management Port	2
Others	Console port x 2
Appearance	
Dimension (H x W x D) (mm)	176 x 434 x 810.5
Gross Weight (kg)	57.67
Others	
System Fan	8 pcs 60 x 56 mm 2 pcs 40 x 56 mm
Power Supply Unit	1,600 W x 2 (80 Plus Platinum)
Power Input	200 - 240 VAC · 50/60 Hz
Power Consumption	1,000 W / 3,412 BTU
Certification	CE / FCC
Standard Warranty	System : 3 years