XN8026D

Best Unified Storage for Hybrid Flash

QSAN

JetStor
Storage. Solutions. Support.

Enterprise-level Unified Storage for Business Environments

QSAN XN8026D is the most cost-effective hybrid flash for the SMB market. It provides a proven 99.9999% availability, high speed performance, non-disruptive upgrades and maintenance, completely improves the enterprise operating efficiency and allows you to prevent the lost of service downtime and data transmission latency.

Fast

- Switching to hybrid flash mode meet the maximum performance.
- Hybrid SSD cache provide read/write cache and boost speed.
- Support 16/32GbE Fibre channel and 25/32GbE host card.
- Network load optimization, select best path to reach best speed for your workload automatically.

Enterprise-grade

- Protect against ransomware and cyber attack by WORM, SED and Pool encryption.
- XMirror can sync your data among branch office, build up enterprise private cloud.
- Built-in various enterprise feature help your to store your data more efficiency and save capacity.
- Built-in enterprise data services for all workloads

Scalability

- Support up to 434bays, you don't have to re-buy storage just for expansion.
- Scale-out everything instantly, includes generational upgrades.

Benefit

Hybrid Flash mode

The most effective solution to gaining high performance for applications that are slowed down is switching to hybrid flash. A primary advantage of the hybrid flash is consistently high performance. Predictable performance helps you to consolidate many workloads on systems without compromising performance.

Faster storage Easier configuration

XN8026D provides many tools to accelerate application execution efficiency which are very simple to use.

- **Intuitive load balancing**
  Automatically select the right path that fits your current workload. Always keep the transmission optimized.
- **Application efficiency**
  Support 16Gb/32Gb Fibre channel and 10GbE/25GbE host card can apply to different application scenario, and satisfied all performance requirement.
- **Smart SSD cache**
  Comprehensive performance improvements design, one SSD to provide both read and write cache to achieve cost-efficiency without compromising performance.
- **Hybrid Flash Mode**
  You can configure XN8026D with SSD to deploy hybrid flash infrastructure and provide the best performance.

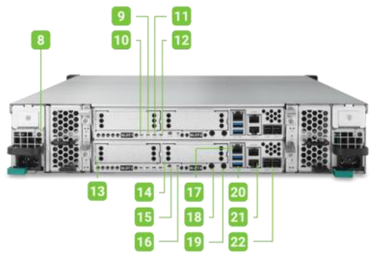
Enterprise Function

Secured, centralized repository and storage efficiency for business information.

- **Protect against ransomware and cyber attack**
  Complete support for block and file-level transmission protection and self-encrypting drives (SED), and use WORM and military-grade AES 256 pool encryption technology to protect your data.
- **Enterprise private cloud** :
  XMirror to sync your data among branches office, break geology limitation and have files accessible just like in the same cloud.
- **Deduplication**
  With deduplication, QSM will auto remove of the redundant data object to reduce the usage of storage capacity.
- **Compression**
  Helping ITs to reduce the amount of storage you need to purchase and maintain.

Appearance

1. Enclosure Power Button / LED
2. UID (Unique Identifier) Button / LED
3. Enclosure Access LED
4. Enclosure Status LED
5. USB Port
6. Disk Drive Power LED
7. Disk Drive Status LED



8. Power Supply Unit – PSU Indicator and Beep Off Button
9. Controller Status LED
10. Master / Slave LED (only for dual controllers)
11. Dirty Cache LED
12. UID (Unique Identifier) LED
13. Host Card Slot 1 (host card is an optional part)
14. Host Card Slot 2 (host card is an optional part)
15. Buzzer Mute Button
16. Reset to Factory Default Button
17. Management Port
18. Console Port
19. Service Port
20. USB Port
21. 10GbE iSCSI Port
22. 12Gb/s SAS Wide Port

Hardware Spec

Architecture	Active-Active dual-controller
CPU	
CPU	Intel® Xeon® 64-bit Quad-Core (Also support 8 core model)
Memory	
System Flash	16GB USB DOM
Memory Module Pre-installed	16GB DDR4 ECC DIMM (per controller)
Memory Expandable up to	4 x 32 = 128GB (per controller)
Storage	
Drive Bays	2.5" Slot x 26
Maximum Drive Bays with Expansion Unit	434
Compatible Drive Type	2.5" SATA SSD / SATA SED SSD (*), 2.5" SAS HDD / SAS SED HDD, 2.5" NL-SAS HDD / NL-SAS SED HDD (*) In dual-controller system, 2.5" SATA HHD need 6G MUX board
Drive Interface	SAS 12Gb/s
Maximum Internal Raw Capacity	399TB
Maximum Raw Capacity with Expansion Units	6,927TB
Hot Swappable Drive	Yes
Connective port	
USB 2.0 **Port**	1 (Front)
USB 3.0 **Port**	2 (Rear)
Others	UPS Port x 1 · Controller port x 1
1GbE RJ45 LAN Port	1 (Onboard)
10GbE RJ45 LAN Port	2 (Onboard) / 2 iSCSI (Option：HQ-10G2T)
10GbE SFP+ LAN Port	4 iSCSI (Option：HQ-10G4S2)
25GbE SFP28 LAN Port	2 iSCSI (Option：RHCE25P2) (Will be launch in the 4th quarter of 2020)
16Gb SFP+ Fibre Channel	4 FCP (Option：HQ-16F4S2) / 2 FCP (Option：HQ-16F2S2) (Will be launch in the 4th quarter of 2020)
32Gb SFP28 Fibre Channel	2 FCP (Option：RHCF32P2) (Will be launch in the 4th quarter of 2020)
Expansion Port	
12Gb/s SAS Wide Port	2 (onboard)
PCIe Expansion	1 x Gen3x8, 1 x Gen2x4
Appearance	
Dimension (H x W x D) (mm)	88 x 438 x 491
Chassis Form Factor	19" Rackmount 2U26 bay
Net Weight (kg)	16.3
Gross Weight (kg)	18.6
Memory Protection	
Cache-to-Flash Module	Yes (Does not need Battery Backup Module)
Others	
System Fan	4 pcs(hot-swappable)
Power Recovery	Yes
Wake on LAN/WAN	Yes
Power Supply Unit / Adapter	770W/850W x 2 (80 PLUS Platinum)
Redundant Power Supply	Yes (hot-swappable)
AC Input Power Voltage	100V-240V
Power Frequency	50-60 Hz · Single Phase
Power Consumption	429W
British Thermal Unit	1,464BTU
LCM Support	Yes
Operating Temperature	0 to 40°C
Storage Temperature	-10°C to 50°C
Operating Relative Humidity	20% to 80% non-condensing
Non-operating Relative Humidity	10% to 90%
Certification	CE、FCC、CCC、BSMI、VCCI、KCC
Standard warranty	3 years

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