

ALTOS XS5226D

ALTOS|QSAN SAN XS5226D is the world's first 2U 26Bay SAN storage, this storage system is based on modular design with FRU (Field Replacement Unit) optimized. XS5226D is the perfect solution for enterprise backup, fit to the market segment that require best performance.

Hybrid Storage

XS5226D integrates Intel Xeon 4 core processor, which is optimized for enterprise SAN and cloud storage along with native 12Gb SAS 3.0 technology. Each controller includes dual host cards, dual on-board 10GBase-T ports, 1GbE Management port and Dual 12Gb/s SAS wide ports (SFF-8644).

Dual-Active (Active/Active) Controller SAN System

XS5226D features a Dual-Active controller architecture that concurrently provide storage services in real time. This active-active architecture doubles the available host bandwidth and cache-hit ratio, this ensures maximum utilization of system resources and maximizes throughput.

Modular Design for Versatility & Scaled Performance

Each controller has two host card slots for expanded connectivity and scaled performance. There are various types of optional host cards available to match the specific need, including 16Gb FC, 10GbE iSCSI and 1GbE iSCSI. It also offers the flexibility to mix FC and iSCSI connectivity in the same system simultaneously. In this dual controller mode, the system can support up to 20ports of 10GbE iSCSI or 8ports of 16Gb FC connectivity. Users can connect multiple host servers directly to XS5226D without using FC switch or Ethernet switch.





| | | | |
|-------------------|--|---|--|
| CPU | Processor type | Intel® Xeon D-1527 Quad-Core Processor | |
| | Number of processors | 2 (1/Controller) | |
| On-board Devices | LAN | 4 x 10GbE iSCSI RJ45 (2/Controller) 2 x 1GbE Management Port (1/Controller) | |
| Memory | Memory (Default) | 16GB (8GB/controller, option to upgrade to max 128GB) | |
| | Memory slot | 8 DIMM slots (4 DIMM slot/Controller) | |
| | Memory type | DDR4-2400 ECC UDIMM | |
| Expansion slots | SAS | 4 x 12Gb/s SAS SFF-8644 (2/Controller) | |
| | Optional Host Card (Slot 1, PCIe Gen3 x 8) | <ul style="list-style-type: none"> ● 2 or 4 x 16Gb FC (SFP+) ● 4 x 10GbE iSCSI (SFP+) ● 2 o4 4 10GbE iSCSI (RJ45) ● 4 x 1GbE iSCSI (RJ45) | |
| | Optional Host Card (Slot 2, PCIe Gen3 x 4, bandwidth limit 20GB) | <ul style="list-style-type: none"> ● 2 or 4 x 16Gb FC (SFP+) ● 4 x 10GbE iSCSI (SFP+) ● 2 o4 4 10GbE iSCSI (RJ45) ● 4 x 1GbE iSCSI (RJ45) | |
| I/O ports | Front I/O ports | 1 x USB 2.0 port | |
| | Rear I/O ports | <ul style="list-style-type: none"> ● 4 x 10GbE RJ45 ● 2 x 1GbE RJ45 Management Port ● 4 x 12Gb/s SAS (SFF- 8644) ● 4 x USB 3.0 ports ● 2 x Console port | |
| Operating System | OS | Storage OS, SANOS (SAN Operating System) 64-bit Linux kernel & QSAN's proprietary RAID Engine | |
| Drive Bays | Storage bays | 26Bay 2.5" SAS, NL-SAS, SED HDD or 26Bay 2.5" SAS, SATA SSD(thru 6Gb MUX board) | |
| | Memory Protection | Cache to Flash (Optional) | |
| Power supply | | 850W 1+1 Redundant 80+ Platinum AC Input 100-127V 10A, 50-60Hz, 200-240V 5A, 50-60Hz DC Output: +12V 63.4A, +5VSB 2.0A | |
| System cooling | | 2 x Hot Pluggable/Redundant Fan Modules | |
| Form factor | Form factor | Rackmount | |
| | Dimensions (D x W x H) | 19" 438 x 88 x 491 (mm) | |
| Software Features | | <ul style="list-style-type: none"> ● Thin Provisioning - QThin ● SSD Cache - QCache (Available by Licensing) ● Auto Tiering - QTiering (Available by Licensing) ● Volume Snapshot - QSnap ● Local Volume Clone - Qclone ● Remove Replication - Qreplica ● QSOE 2.x (Storage Optimization Engine) ● Virtualization Integration | |

| Certification | EMI Safety | BSMI BSMI | FCC | RCM |
|-------------------|--|---|-----|-----|
| Temperature | Operating Temperature Shipping Temperature | 0 to 40 °C -10 °C to 50 °C | | |
| Relative Humidity | Operating Relativity Humidity Non-Operating Relative Humidity | 20% to 80% Non-Condensing 10% to 90% | | |

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Altos Computing Inc. (abbr. Altos) is established in 2017 and it is a subsidiary of Acer Inc. The business model of Altos is to provide the best streamlined and cost-effective integrated solutions thru in-house R&D working with ODM/IHV/ISV on servers, workstations, thin client, network and storage. In the era of demanding speed, Altos provides leading solution included, but not limited to High Performance Computing, Virtual Desktop Infrastructure, Cloud Infrastructure and Software Defined Storage, etc.

Altos provides solutions and services to government, academia, cloud service providers, datacenter operators and enterprises.

