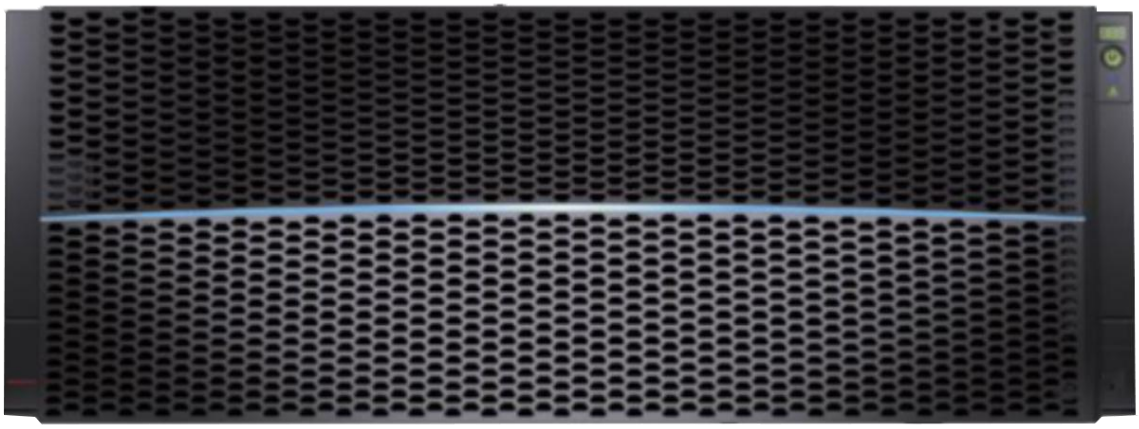
OceanStor 6810-G High-end Hybrid Flash Storage Systems

Datasheet



Product Overview

The OceanStor 6810-G high-end entry-level storage system is a new generation of hybrid flash storage for future data centers to help users achieve future business goals. 6810-G is designed for traditional and new applications such as relational databases, distributed databases, virtualization, containers, cloud, and so on, and achieves high efficiency of hotspot data through dynamic adaptive data layout algorithms.The OceanStor 6810-G is designed for traditional and new applications such as relational database, virtualized database, container and cloud, etc. The OceanStor 6810-G realizes efficient hotspot data through dynamic adaptive data layout algorithms for efficient data prefetching, end-to-end NVMe technology, and 100% performance enhancement compared with the previous generation. The industry-leading SmartMatrix fully-shared interconnection hardware architecture design, rich security features, as well as the gateway-less SAN&NAS integration of A-A Dual-Activity and Ring 3DC, help customers realize business continuity, The OceanStor 6810-G high-end entry-level hybrid flash storage is widely used in database, virtualization, containerization and other production business scenarios in operators, finance, government, manufacturing and other industries, as well as in various cloud service scenarios to benefit all industries.

Technical Specification

Model Number	OceanStor 6810-G
Hardware Specifications	
Controller Architecture	Multi-Controller SmartMatrix High-Speed Interconnect Architecture
Maximum Cache (Dual Control, Expandable with Controller)	512 GB-16 TB
Supported Storage Protocols	FC, iSCSI, NFS, CIFS, FC-NVMe, NVMe over RoCE, NFS over RDMA, FTP, HTTP, NDMP, S3, SFTP
Front End Channel Port Type	8/16/32Gbps FC/FC-NVMe, 1/10/25/40/100Gbps Ethernet, 25/100Gbps NVMe over RoCE/NFS over RDMA
Backend Channel Port Type	100Gbps RDMA/SAS 3.0
Maximum Number of Hot-swappable I/O Modules/control Frame	28
Maximum Number of Front Host Interfaces/Control Frames	80
Hard Disk Type	NVMe TLC SSD, SAS TLC SSD, SAS, NL-SAS
Software Specifications	
RAID Support	RAID 10, RAID 5, RAID 6, and RAID-TP (tolerate 3 disks failing at the same time), etc.
Electrical Specifications	
Power Supply	200V to 240VAC ±10%, 192V to 288VDC
Dimensions (L × W × H)	Control frame : 865mm × 447mm × 175mm SAS HDD frame : 410mm × 447mm × 86.1mm NVMe HDD frame : 620mm × 447mm × 86.1mm NL-SAS hard disk frame: 488mm × 447mm × 175mm
Weight (without hard disk unit)	Control frame ⩽88.2kg SAS hard disk frame ⩽13.4kg NL-SAS hard disk frame ⩽ 26.5kg Intelligent NVMe HDD frame ⩽ 24.95kg
Operating Temperature	Ambient temperature at altitude -60 to +1800m 5℃ to 35℃ (cabinet)/40℃ (frame) At an altitude of 1800m to 3000m, the ambient temperature decreases by 1℃ when the altitude increases by 220m
Working Environment Humidity	10% to 90% RH

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