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OceanStor Dorado 6800-G/18500-G/18800-G High-end All-Flash Storage System



■ Product Overview

The OceanStor Dorado 6800-G/18500-G/18800-G high-end full-flash storage system is a new benchmark of storage performance and reliability designed by OceanStor Dorado for core enterprise services, providing enterprises with superior data service experience. With the support of innovative hardware platform, FlashLink® intelligent algorithm and a full series of end-to-end NVMe architecture, it delivers 40 million IOPS and maximum latency of 0.05ms. Adopt the extremely stable SmartMatrix full interconnection architecture to ensure that core services remain online 7*24; 3 layers of intelligent management, predicting performance and warning failure in advance, operation and maintenance is always a step faster.

The OceanStor Dorado 6800-G/18500-G/18800-G high-end all-flash storage is widely applicable to core scenarios such as database and virtualization in industries such as carriers, finance, government, and manufacturing, benefiting all industries.

■ Technical Specification

Model Number	OceanStor Dorado 6800-G	OceanStor Dorado 18500-G	OceanStor Dorado 18800-G
Hardware Specifications			
Maximum Number of Controllers	32		
System Cache (dual controls, expandable with controller)	512 GB-16 TB	512 GB-32 TB	1 TB-32 TB
Supported Storage Protocols	FC, iSCSI, FC-NVMe, NVMe over RoCE, NFS, CIFS, NDMP, S3*, NFS over RDMA		
Front-end Channel Port Type	8/16/32 Gbit/s FC/FC-NVMe, 10/25/40/100 GbE, 25Gb/100Gb NVMe over RoCE/NFS over RDMA		
Type of Back-end Channel Port	100 Gb RDMA/SAS 3.0		
Maximum Number of Hot-Swappable I/O Modules/Controller Enclosures	28		
Maximum Number of Front-end Host Ports/Controller Enclosures	96		
Maximum Number of Plates	3200	6400	9600
Type of Hard Drive	1.92TB/3.84TB/7.68TB/15.36/30.72TB palm-sized NVMe SSD, 960 GB/1.92 TB/3.84 TB/7.68TB /15.36 TB SAS SSD 3.84TB/7.68TB encrypted palm-sized NVMe SSD		
SCM Support	800 GB/1.6TB SCM		
Software Specifications			
RAID Support	RAID 10*, RAID 5, RAID 6, RAID-TP(three disks fail at the same time) and cross-enclosure RAID		
Electrical Specifications			
Power Supply	Controller enclosure/Smart NVMe disk enclosure :200V to 240VAC±10%,192V to 288VDC SAS disk enclosure: 100V to 240VAC±10%,192V to 288VDC	Cabinet: 200V to 240VAC±10%, 346V to 415VAC±10%, 192V to 288VDC	
Dimensions (H × W × D)	Controller enclosure: 175mm × 447mm × 865mm	Maximum dimensions of a cabinet: 2000mm × 600mm × 1200mm	
	SAS disk enclosure: 86.1mm × 447mm × 410mm Smart NVMe disk enclosure: 86.1mm × 447mm × 620mm		
Weight (including the weight of the hard disk unit)	Controller enclosure ≤97kg SAS disk enclosure ≤20kg Intelligent NVMe disk enclosure ≤35kg	System cabinet ≤700kg Disk cabinet ≤600kg	
Working Environment Temperature	The ambient temperature when the altitude is -60 to +1800m is 5°C to 35°C (cabinet) /40°C (frame); When the altitude is from 1800m to 3000m, the altitude is increased by 220m, and the ambient temperature is decreased by 1°C		
Working Environment Humidity	10% to 90% RH		



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