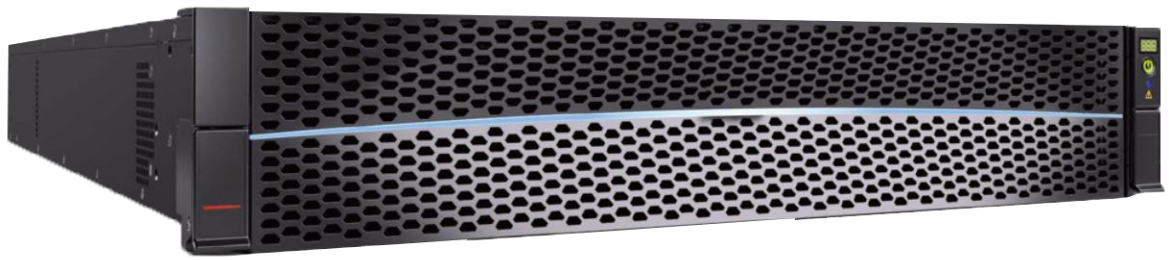# OceanStor Dorado 5300-G/5500-G/5600-G All-Flash Storage System

■▪ Product Overview

The OceanStor Dorado 5300-G/5500-G/5600-G is an OceanStor Dorado all-flash storage product that provides enterprises with superior data service experience. With innovative hardware platform, the support of FlashLink® intelligent algorithm and end-to-end NVMe architecture, the performance is 30% higher than the previous generation, and the latency is as low as 0.05ms; The industry is the first to implant AI hardware into the storage system, so that the storage has "wisdom"; Adopt the extremely stable five-level reliable design to ensure that the business stays online.

The OceanStor Dorado 5300-G/5500-G/5600-G all-flash storage is widely used in scenarios such as medium and large enterprise database OLTP/OLAP, server virtualization, resource integration, and file sharing in the government, finance, healthcare, education, energy, and manufacturing industries to help customers maximize return on investment (ROI) and benefit all industries.

Technical Specification

Model Number	OceanStor Dorado 5300-G	OceanStor Dorado 5500-G	OceanStor Dorado 5600-G
Hardware Specifications			
Maximum Cache (dual control, expandable with controller)	256 GB-2 TB	384 GB-4 TB	768 GB-8 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, 25/100 Gb NVMe over RoCE/NFS over RDMA		
Type of Back-end Channel Port	100G RDMA/SAS 3.0		
Maximum Number of Hot-swappable I/O Modules/Controller Enclosures	6	12	
Maximum Number of Front-end Host Ports/Controller Enclosures	40	48	
Type of Hard Disk	1.92 TB/3.84 TB/7.68 TB/15.36TB/30.72 TB 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 (tolerates three disk failures at the same time), and cross-frame RAID*		
Electrical Specifications			
Power Source	SAS disk enclosure: 100V to 240VAC±10%, 192V to 288VDC, -48V to -60VDC		
	Controller enclosure/Intelligent NVMe disk enclosure: 200V to 240VAC±10%, 192V to 288VDC, -48V to -60VDC		
Dimensions (H × W × D)	SAS controller enclosure: 86.1mm × 447mm × 520mm NVMe controller enclosure: 86.1mm × 447mm × 620mm	SAS controller enclosure: 86.1mm × 447mm × 820mm NVMe controller enclosure: 86.1mm × 447mm × 920mm	
	SAS disk enclosure: 86.1mm × 447mm × 410mm Intelligent NVMe disk enclosure: 86.1mm × 447mm × 620mm		
Weight (including the hard disk unit weight)	SAS controller enclosure ≤ 30kg NVMe controller enclosure ≤ 32kg SAS disk enclosure ≤ 20kg Intelligent NVMe disk enclosure ≤ 35kg	SAS controller enclosure ≤ 45kg NvMe control enclosure ≤ 50kg SAS disk enclosure ≤ 20kg Intelligent NVMe disk enclosure ≤ 35kg	
Operating Ambient Temperature	The ambient temperature when the altitude is -60 to +1800m is 5℃ to 35℃(cabinet)/40℃(frame); When the altitude ranges from 1800m to 3000m, the ambient temperature (upper limit) decreases by 1℃ for every 220m increase in altitude		
Working Environment Humidity	10% to 90% RH		

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