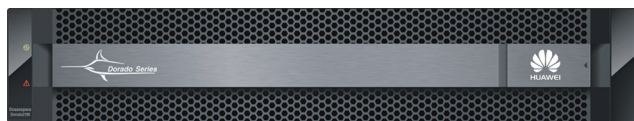


OceanStor Dorado2100 Solid State Memory System



OceanStor Dorado2100

Huawei OceanStor Dorado2100 is an FC-SAN solid-state memory array for the enterprise-class high performance market. The Dorado2100 relies entirely on solid-state storage technology, and features advanced cache management and an advanced I/O scheduling algorithm to deliver unsurpassed performance. It increases application memory requirements for querying and searching large databases, as well as for processor-intense calculations and image editing.

Product Features

Outstanding Performance

- IOPS: The Dorado2100 delivers 100,000 SPC-1 IOPS – a performance equal to traditional arrays with 250 15K RPM SAS disks.
- Access Speed: Access latency is a low 800μs, just 8% of traditional arrays. (92% lower latency than traditional arrays)

Energy Savings

- Low power consumption: The system uses a maximum of 320 W, an energy savings of up to 90% over traditional arrays with equivalent performance.
- Intelligent CPU clock speed control: The Dorado2100 intelligently controls the clock frequency of the CPU based on processor workload.
- 16-speed intelligent fan speed control: Fan speed is regulated intelligently based on system temperature to reduce fan noise and power consumption, thus increasing the environmental flexibility of the equipment.

Stable and Reliable

- Media safeguards: Technologies such as wear leveling, bad block management, and random scrambling greatly extend media service life to deliver an MTBF of greater than 1 million hours.
- Data protection: The Dorado2100 uses rigorous 32-bit error correcting

code (ECC) in 1-KB blocks and a threshold warning function so that errors are corrected as soon as they are discovered. A variety of RAID levels are also offered to further improve data reliability.

- Redundant architecture: The dual Active/Active controller provides interruption-free redundancy to ensure operational reliability and availability.

Lower TCO

- Protect your investment: There is no need to change software versions or your current application architecture. This means you can easily incorporate the Dorado2100 into your existing IT architecture while continuing to leverage your investment.
- Reduce power use: Enjoy the benefits of memory system power savings of 90% annually.
- Save space: The Dorado2100 uses 95% less space than traditional arrays with equivalent performance, greatly reducing cabinet costs.
- Simplify management: The Dorado2100 offers user-friendly management and maintenance, supports both GUI and CLI management methods, supports visual, text message, and email warnings, and delivers one-key online firmware upgrades effectively reducing maintenance costs.

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Product Specifications

Item	Dorado2100
Hardware Features	
Front-end port type	8 Gbps FC
Board I/O port number and type	8 × 8 Gbps FC
Maximum number of expansion I/O modules	2
Expansion I/O module port number and type	4 × 8 Gbps FC
Supported hard disks	2.5-inch 50 GB/100-GB SLC SSD 2.5-inch 200 GB MLC SSD
Performance	
Maximum bandwidth	5.6 GB/s
Maximum IOPS	170,000
Access latency	800 μs
Software Features	
RAID support	0, 1, 3, 5, 6, 10, 50
Number of hosts supported	512
Number of LUNs supported	2,048
Multipath software	UltraPath
Physical Specifications	
Power	AC: 90V AC to 264V AC DC: -38V DC to -75V DC
Power consumption	320 W
Dimensions (H × W × D)	2U, 86.1 mm × 582 mm × 446 mm
Weight	23.9 kg
Operating temperature	-5 to 55°C