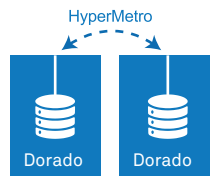# OceanStor Dorado3000 V3
Lightning Fast, Rock Solid

Purpose-built for enterprise applications, Huawei OceanStor Dorado3000 V3 is an entry-level all-flash storage product with enterprise-grade reliability, complete features, uncompromising performance and efficiency. The OceanStor Dorado3000 V3 fulfills requirements in database, Virtual Desktop Infrastructure (VDI), Virtual Server Infrastructure (VSI), and SAP HANA scenarios, facilitating the transition to all-flash for customers in the finance, manufacturing, and telecom sectors.

99.9999% Availability for Mission-Critical Applications
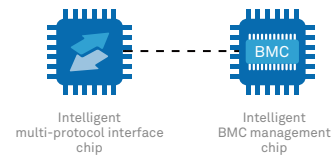
The OceanStor Dorado3000 V3 ensures reliability from the component, product, and solu tion to cloud layers, achieving 99.9999% availability for mission-critical applications. At the component layer, global wear-leveling and Huawei's patented anti-wear leveling technologies ensure robust SSD reliability. At the software layer, innovative RAID-TP technology tolerates simultaneous failures of three SSDs. At the solution layer, the gateway-free active-active solution ensures 99.9999% availability. And at the cloud layer, the Converged Data Management (CDM) solution implements cloud-enabled gateway-free DR and backup, and minute-level service recovery on the cloud*.

HyperMetro Active-Active Solution

Complete Enterprise-Grade Features

The OceanStor Dorado3000 V3's basic software package supports complete enterprise-grade features, with Smart series for data resource utilization improvement, Hyper series for varying data protection requirements, and all-in-one design for simplified O&M management.

Uncompromising Performance

The industry-leading FlashLink® intelligent algorithm helps the OceanStor Dorado3000 V3 maintain stable performance during peak hours and after enabling value-added features, which brings unexpectedly excellent experiences. The intelligent multi-protocol interface chip supports industry-leading 32 Gbit/s FC and 100GE front-end protocols. The intelligent BMC management chip manages CPUs, memories, and other modules in a unified manner, which shortens the fault recovery time from 2 hours to 10 minutes.

Intelligent multi-protocol interface chip | Intelligent BMC management chip

Converged and Efficient

Industry-leading inline deduplication and compression technologies reduce power consumption, cooling, and maintenance fees, which helps OceanStor Dorado3000 V3 cut end-to-end OPEX by 75%. This system is compatible with over 300 mainstream storage systems and 98% of IT infrastructures, enabling smooth upgrades without affecting services and helping data centers easily transform to flash.

Technical Specifications

Model	OceanStor Dorado3000 V3
Hardware Specifications	
Maximum Number of Controllers	16*
Maximum Cache (Dual-Controller, Expanding with the Number of Controllers)	192 GB to 1,536 GB
Supported Storage Protocols	FC and iSCSI
Front-End Port Types	8/16/32 Gbit/s FC, 10/25/40/100 GE
Back-End Port Types	SAS 3.0
Maximum Number of SSDs per Dual Controller	100
Supported SSDs	1.92 TB/3.84 TB/7.68 TB SAS SSDs

Software Specifications

Supported RAID Levels	RAID 5, RAID 6, RAID 10*, and RAID-TP (tolerating simultaneous failure of 3 SSDs)
Maximum Number of Hosts	8,192
Maximum Number of LUNs	16,384
Value-Added Features	The basic software package supports all value-added features: SmartDedupe (intelligent inline de-duplication) — SmartCompression (intelligent inline compression) SmartThin (intelligent thin provisioning) — SmartVirtualization (intelligent heterogeneous virtualization) SmartMigration (intelligent LUN migration) — SmartQoS (intelligent QoS control) HyperSnap (snapshot) — HyperClone (LUN clone) HyperCopy (LUN copy) — HyperCDP (continuous data protection) HyperReplication (remote replication) — HyperMetro (gateway-free active-active solution) CloudBackup (backup and recovery between cloud and local data centers)
Storage Management Software	DeviceManager (device management) — UltraPath (multi-path management) eService (remote maintenance and management)
Operating System Compatibility	AIX, HP-UX, Solaris, Linux, and Windows
Supported Virtualization Environment Software	Virtualization platforms: Huawei FusionSphere, VMware, XenServer, and Hyper-V Value-added features: VMware VAAI, VASA, SRM, VVOL, and Hyper-V Integration with VMware vSphere and vCenter

Physical Specifications

Power Supply	AC: 100 V to 240 V	DC: 192 V to 288 V or -48 V to -60 V
Dimensions (H x W x D)	Controller enclosure: 86.1 mm x 447 mm x 748 mm Disk enclosure: 86.1 mm x 447 mm x 488 mm	
Weight	Controller enclosure: 40 kg	Disk enclosure: 20 kg
Operating Temperature	5°C to 40°C (altitude: < 1,800m), 5°C to 35°C (altitude: 1,800m to 3,000m)	
Operating Humidity (Relative Humidity)	5% RH to 95% RH (non-condensing)	

For projects requiring any specifications marked with asterisks (*), please contact with Huawei sales.

For More Information

To learn more about Huawei storage, please contact the local office
or visit Huawei Enterprise website http://e.huawei.com.

Huawei Enterprise APP   Huawei IT