



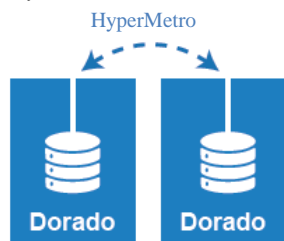
OceanStor Dorado3000 V3

Lightning Fast, Rock Solid

Purpose-built for enterprise applications, Huawei OceanStor Dorado3000 V3 is an entry-level all-flash storage product with comprehensive enterprise-class features, high reliability, uncompromising performance, and high efficiency. The OceanStor Dorado3000 V3 fulfills requirements in database, Virtual Desktop Infrastructure (VDI), and Virtual Server Infrastructure (VSI) scenarios, to facilitate 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 solution to cloud layers, to achieve 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 system 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 on the cloud layer, the Converged Data Management (CDM) solution implements cloud-enabled gateway-free DR and backup, as well as minute-level service recovery on the cloud*.



HyperMetro Active-Active Solution

Comprehensive Enterprise-Class Features

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

Uncompromising Performance

Huawei's industry-leading FlashLink[®] intelligent algorithm helps the OceanStor Dorado3000 V3 maintain stable performance, during peak hours and after value-added features are enabled, to deliver unexpectedly excellent experiences. The intelligent multi-protocol interface chip supports industry-leading 32G FC and 100 GE front-end protocols. The intelligent BMC management chip manages CPUs, memory, and other modules in a unified manner that reduces the fault recovery time from two hours to ten minutes.



Intelligent multi-protocol interface chip

Intelligent BMC management chip

Extreme Efficiency

Industry-leading inline deduplication and compression technologies reduce power consumption, cooling, and maintenance fees to help 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. It enables smooth upgrade with no effect on services and helps data centers transform to flash with ease.

Technical Specifications

Model	OceanStor Dorado3000 V3
Hardware Specifications	
Maximum Number of Controllers	16*
Maximum Cache (Dual-controller, expanding with number of controllers)	192 GB to 1,536 GB
Supported Storage Protocols	FC and iSCSI
Front-End Port Types	8, 16, and 32G FC, 10, 25, 40, and 100 GE
Back-End Port Types	SAS 3.0
Maximum Number of SSDs per Dual Controllers	100
Supported SSDs	1.92 TB, 3.84 TB, and 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)	
Physical Specifications		
Power Supply	AC: 100V to 240V DC: 192V to 288V or -48V to -60V	
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: < 1,800 m), 5°C to 35°C (altitude: 1,800 m to 3,000 m)	
Operating Humidity (Relative Humidity)	5% RH to 95% RH (non-condensing)	

For projects that require any specifications marked with an asterisk (), please contact Huawei sales.

For More Information

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



Huawei Enterprise APP





Huawei IT



Copyright © Huawei Technologies Co., Ltd. 2019. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without the prior written consent of Huawei Technologies Co., Ltd.

Trademarks and Permissions

 HUAWEI, and  are trademarks or registered trademarks of Huawei Technologies Co., Ltd.
Other trademarks, product, service and company names mentioned are the property of their respective holders.

NO WARRANTY

THE CONTENTS OF THIS MANUAL ARE PROVIDED "AS IS". EXCEPT AS REQUIRED BY APPLICABLE LAWS, NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE MADE IN RELATION TO THE ACCURACY, RELIABILITY OR CONTENTS OF THIS MANUAL.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO CASE SHALL HUAWEI TECHNOLOGIES CO., LTD BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, OR LOST PROFITS, BUSINESS, REVENUE, DATA, GOODWILL OR ANTICIPATED SAVINGS ARISING OUT OF, OR IN CONNECTION WITH, THE USE OF THIS MANUAL.

HUAWEI TECHNOLOGIES CO.,LTD.

Bantian Longgang District
Shenzhen 518129, P.R.China
Tel: +86-755-28780808

www.huawei.com