

OceanStor 2200 V3 Storage System



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Huawei OceanStor 2200 V3 storage systems are new-generation entry-level storage products specifically designed for enterprise-class applications. OceanStor 2200 V3 storage systems deliver simplicity, ease-of-use, innovative convergence capabilities, intelligence, and efficiency, which can support the performance requirements of OLTP/OLAP of SMB databases, Exchange, server virtualization, and video surveillance services.

With a versatile set of capabilities, the V3 storage systems can be widely applied in industries ranging from government, health care, education, telecommunications, energy, to manufacturing. Providing comprehensive data security and outstanding storage service, OceanStor 2200 V3 is the best choice of the IT systems of SMB.

Product Highlights

Simple and Easy-to-Use

- **Simple configuration:** Huawei's unique tool SmartConfig significantly simplifies the configuration procedure. Resources can be allocated in minutes with only three steps. This eliminates the bottleneck of professional expertise of IT maintenance personnel, satisfying the requirements of simple and easy-to-use IT of SMB.
- **Unified management:** Powerful storage management software supports global topology views, capacity analysis, performance analysis, fault diagnosis, and end-to-end service visualization to simplify management of a wide range of devices.

Innovative and Converged

- **Convergence of SSDs and HDDs:** The design purpose-built for all flash architecture gives full play to the performance of SSDs and maintains a low latency of 1 ms or less. Combining the advantages of solid-state storage and traditional HDD storage, the systems enable the media performance to reach the full potential in different scenarios.
- **Convergence of heterogeneous storage systems:** A built-in virtualization function efficiently manages storage systems from multiple vendors and unifies resource pools for flexible, centralized resource allocation and protects their data. In addition, original data can be migrated to OceanStor 2200 V3 so that services can be accelerated.
- **Convergence of high-end, mid-range, and entry-level storage systems:** Any size system interworks seamlessly so data can freely flow among storage products of different models without the assistance of third-party systems.

- **Convergence of primary and backup storage:** Integrated backup functions achieve efficiency without additional backup software, simplifying backup management.

Smart and Efficient

- **Smart series efficiency improvement suite:** Leverages dynamic storage tiering (SmartTier), intelligent data migration (SmartMotion), and innovative heterogeneous virtualization (SmartVirtualization) to achieve vertical, horizontal, and cross-system 3D data flow, significantly improving storage resource utilization. SmartQoS (smart service quality control) can schedule storage resources according to service priorities, to guarantee the performance and response speed of high-priority services.
- **Hyper series data protection suite:** Software for functions such as remote replication, snapshot, and LUN copy provide local, remote, and multi-branch data protection to ensure business continuity and data availability.

Industry-leading Specifications

- **Outstanding performance:** 2200 V3 storage systems employ the latest multi-core processors, 16 Gbit/s Fiber Channel, and 10 Gbit/s FCoE host ports, PCIe 3.0 buses, and 12 Gbit/s SAS 3.0 disk ports, which tops products of the same level.
- **Exclusive SmartIO cards:** Each SmartIO card supports 8 Gbit/s Fibre Channel, 16 Gbit/s Fibre Channel, 10 Gbit/s Ethernet and 10 Gbit/s FCoE.

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Technical Specifications

Model	2200 V3
System Cache	16 GB/32 GB of dual controllers
Maximum Number of Controllers	2
Supported Storage Protocols	Fibre Channel, FCoE, and iSCSI
Front-end Port Types	1/10 Gbit/s Ethernet, 10 Gbit/s FCoE, and 8/16 Gbit/s Fibre Channel
Back-end Port Type	SAS 3.0 (each port supporting 4 x 12 Gbit/s)
Maximum Number of Hot-swappable I/O Modules per Controller	1
Maximum Number of Front-end Ports per Controller	12
Maximum Number of Disks	300
Disk Types	SSD, SAS, and NL-SAS
Supported RAID Levels	0, 1, 3, 5, 6, 10, and 50
Data Protection Software	HyperSnap (snapshot), HyperCopy (LUN copy), HyperClone (clone), HyperMirror (volume mirror), and HyperReplication (remote replication)
Mission-critical Service Protection	SmartQoS (intelligent QoS control)
Resource Efficiency Improvement	SmartTier (intelligent storage tiering), SmartCache (intelligent SSD caching), SmartThin (intelligent thin provisioning), SmartMotion (intelligent data migration), SmartMigration (LUN migration), and SmartErase (data destruction)
Storage Management Software	UltraPath (multipathing management), Cloud Service (remote maintenance and management), BCManger (disaster recovery management software), DeviceManager (manage single device), and eSight (manage multiple devices)
Heterogeneous Virtualization	Consolidates storage resources of mainstream products to manage and allocate resources in a flexible and unified manner.
Block Virtualization	Balanced data distribution, quick fault recovery
Easy Configuration	SmartConfig significantly simplifies configurations for IT maintenance personnel. They can quickly learn how to configure devices and do not need to master professional storage knowledge.
Virtualization Environment	Supports FusionSphere, VMware, XenServer and Hyper-V platforms. Supports value-added features, including VMware VAAI/VASA/SRM and Hyper-V. Supports vSphere and vCenter integration.
Power Supply	AC: 100 V to 240 V (adaptive to high-voltage DC)
Dimensions (H x W x D)	2U controller enclosure: 86.1 mm x 447 mm x 488 mm (3.39 in. x 17.60 in. x 19.21 in.) 2U disk enclosure: 86.1 mm x 447 mm x 490 mm (3.39 in. x 17.60 in. x 19.21 in.) 4U disk enclosure: 175 mm x 447 mm x 490 mm (6.89 in. x 17.60 in. x 19.21 in.)
Weight (Including Disks)	2U controller enclosure: lower than 24 kg (53 lb) 2U disk enclosure: lower than 20 kg (44 lb) 4U disk enclosure: lower than 44 kg (97 lb)
Operating Temperature	-60 to +1800 m height: 5°C to 40°C 1800 m to 3000 m: 1°C lower every time the height increases for 220 m
Operating Humidity	5% RH to 90% RH

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