



Huawei OceanProtect X3000 Backup Storage Data Sheet

Huawei Technologies Co., Ltd.



Huawei OceanProtect X3000

Overview

Huawei OceanProtect X3000 Backup Storage adopts end-to-end (E2E) acceleration and an active-active high-reliability architecture and features efficiency, reliability, and ease of use. It simplifies backup and recovery, slashes TCO, and excels in small and midsize enterprises (SMEs) and remote and branch offices.

Highlights

Efficient

- **Industry-leading performance:** The system covers traditional and emerging workloads and is compatible with backup scenarios such as big data, databases, DWS data warehouses, files, and virtualization.
- **Industry-leading data reduction ratio:** Multilayer inline variable-length deduplication and feature-based compression help achieve a data reduction ratio of up to 72:1, 30% higher than the industry benchmark.
- **Up to 98% replication bandwidth saved:** Deduplication helps save replication bandwidth between sites by up to 98%.

Reliable

- **Unique active-active reliable architecture:** The active-active architecture enables failover in seconds in the event of a faulty controller, ensuring uninterrupted backup tasks.
- **Multi-disk failure protection:** RAID 5, RAID 6, and RAID-TP are supported and simultaneous failures of up to three disks can be tolerated.
- **Secure and available data copies:** Multiple ransomware protection technologies, such as data encryption, secure snapshot, write once read many (WORM), and Air Gap, are supported to ensure secure and available data copies.

Easy to Use

- **Compact and simple:** The 2 U enclosure is only 488 mm long. The cabinet space and weight are 30% less than the industry benchmark and the cabinet only requires one person to carry.
- **Fast deployment:** Initial configuration can be completed in three steps, greatly improving resource allocation efficiency.
- **Intelligent O&M:** Intelligent recommendation of configuration parameters, global search on the GUI, one-click export of log files, prediction of performance and capacity trends and disk failures, AI-based performance fluctuation detection, OTA upgrade, and remote O&M using DME IQ app are supported.

Technical Specifications

Model	OceanProtect X3000	
	SSD	HDD
Hardware Specifications		
Data Reduction Ratio*	Up to 72:1	
System Physical Backup Bandwidth	Up to 6.2 TB/hour	
System Logical Backup Bandwidth	Up to 18.5 TB/hour	
System Recovery Bandwidth	5.9 TB/hour	Up to 1 TB/hour
Number of Controllers per Node	2	2
Maximum Number of Nodes	1	1
System Usable Capacity	16 TB–300 TB	
Data Disk Types	3.84/7.68 TB SAS SSD	4/8/14/20 TB NL-SAS HDD
Front-End Port Types	8/16/32 Gb FC, 10/25/40/100 GbE	
Front-End Storage Protocols	NFS, SMB/CIFS, FC, iSCSI, NDMP	
Software Specifications		
RAID Type	RAID 2.0+	
RAID Levels	RAID 6 (default), RAID 5, and RAID-TP (tolerating simultaneous failure of three disks)	
Software Functions	Inline deduplication and compression, source deduplication and compression, multi-tenancy, quota management, snapshot, secure snapshot, remote replication, log audit, intelligent service quality control, data destruction, WORM, data encryption, detection and analysis**, and continuous data protection	
System Management	Device management (DeviceManager) and remote O&M and management (DME IQ)	
Electrical Specifications		
Power Supply	Node: 200 V to 240 V AC±10%, 192 V to 288 V DC; SAS SSD enclosure: 100 V to 240 V AC±10%, 192 V to 288 V DC; HDD enclosure: 100 V to 240 V AC±10%, 192 V to 288 V DC	
Dimensions (H × W × D)	2 U controller enclosure: 86.1 mm × 447 mm × 488 mm	
	2 U SSD enclosure: 86.1 mm × 447 mm × 410 mm; 4 U HDD enclosure: 175 mm × 447 mm × 488 mm	
Weight (Incl. Disk Units)	Controller enclosure: ≤ 24 kg	
	SSD enclosure: ≤ 20 kg; HDD enclosure: ≤ 44 kg	
Operating Temperature	–60 m to +1800 m altitude: 5°C to 35°C (cabinet) or 40°C (enclosure); 1800 m to 3000 m altitude: The max. temperature threshold decreases by 1°C for every altitude increase of 220 m.	
Operating Humidity	10% to 90% RH	

*The data reduction ratio depends on the application type and backup policy.

** The detection and analysis function requires the OceanCyber security appliance.

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



Huawei Enterprise APP



Huawei IT



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