

# OceanStor VTL6000 Virtual Tape Library System



OceanStor VTL6000

Huawei OceanStor VTL6000 is a virtual tape library for middle and high-end backup market. VTL6000 can fully built up a backup solution with high performance, high availability, and high capacity for customers, and it also presents innovative features, such as globally de-duplication, disk spin-down, active-active mode of VTL engines, and cluster mode of SIR engines. VTL6000 is especially applicable to the scenarios such as large centralized backup, data tiered backup, and distributed backup.

## High Performance & Large Capacity

- Up to 9 TB/hr concurrent backup independent of de-duplication
- Scalable up to 192 SATA disks of 2 TB (384 TB total raw capacity), meeting the large capacity backup requirement
- Intelligent disk spin-down technology that automatically spins down idle disks, greatly driving down system power consumption

## Globally De-duplication

- Multi to single-point remote replication with globally de-duplication across sites, sharply reducing the requirement for backup space
- Post de-duplication remote replication, cutting the data amount to be transferred and the requirement of bandwidth consumption

## High Availability

- Active-active mode of VTL engines and N+1 cluster mode of SIR engines with failover to ensure service continuity
- Redundancy design of key components, such as the controller, power supply, and fan
- Virtual tape encryption under the 256-bit AES algorithm, ensuring data integrity during data transfer

## Easy OAM

- Zero-risk deployment - existing backup software and backup policy are retainable
- GUI and CLI management
- System status and link status monitoring
- Mail alarms, ensuring that no fault message is ignored or missed

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## Virtual Tape Library System

## Specifications

ITEM	VTL6000
Hardware Feature	
Disk type	1TB/2TB SATA
Maximum hard disk slot	192
Host ports per engine	4 x 8Gb FC + 8 x 1Gb Iscsi(8Gb FC and 10GE expandable)
RAID	
Supported RAID levels	0,1,5,6
Software Feature	
Maximum backup performance	9TB/hr
Data compression ratio	2:1
Disk spin-down	Support
De-duplication	Support
Remote replication	Support
QoS of Remote replication	Support
Tape caching	Support
Tape encryption	Support
OpenStorage	Support
Failover	Support
Hosted backup	Support
NDMP	Support
Maximum number of virtual tape libraries	256
Maximum number of virtual tape drives	2048
Maximum number of virtual tapes	131070

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## Virtual Tape Library System

Supported virtual tape libraries	ADIC Scalar 100, 1000, i2000, 10K, i500 Quantum   ATL P7000, PX720 HP ESL9000 Series, MSL 8096 IBM 3590B11, ULT3583-TL QUALSTAR TLS-4222i SONY CSM-200 StorageTek L700e, L1400m Spectra Logic T950
Supported virtual tape drives	HP LTO-4 (Compatible LTO-1/2/3) , LTO-5 IBM LTO-4 (Compatible LTO-1/2/3) , LTO-5 Quantum SuperDLT1, SDLT320 SONY SDX-700C, SDZ-130 StorageTek T10000A, T10000B, 9840D
Supported backup software	Symantec NetBackup, BackupExec CommVault Galaxy EMC NetWorker IBM TSM BakBone NetVault CA BrightStor Enterprise Backup Server Atempo Time Navigator
Supported operating systems	Windows, Linux, Solaris, AIX , HP-UX
<b>Physical Specifications</b>	
Power supply	AC 100V~127V/200V~240V
Power consumption	Engine: <350W Controller enclosure: <340W Disk enclosure: <230W
Dimensions	Engine: 2U, 86 mm(H) * 443 mm(W) * 681mm (D) Controller enclosure: 2U, 86 mm(H) * 446 mm(W) * 536mm (D) Disk enclosure: 2U, 86 mm(H) * 446 mm(W) * 536mm (D)
Weight	Engine: 26.1KG Controller enclosure: 27.7KG Disk enclosure: 26.5KG
Operating ambient temperature	10°C~35°C
Operating ambient humidity	20% RH~80% RH

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