Huawei OceanStor Pacific 9928 All-Flash Scale-Out Storage

Product Overview

The OceanStor Pacific 9928 all-flash scale-out storage system is a new benchmark for storage performance and reliability for emerging analytical applications. A single node supports a maximum of 90 GB/s bandwidth and 2.4 million IOPS. Various specifications are used to meet multiple service requirements, such as high-performance computing, AI applications, big data analysis, virtualization/cloud resource pools, and massive data archiving.

Ultimate Green

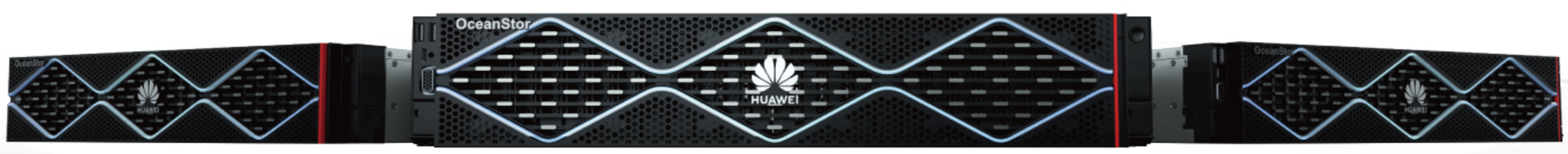
2U, 36-slot, 61.44 TB high-capacity SSD
Evaluation-free 2:1 Unstructured Data compression algorithm

Seamless Expansion

Fully symmetric distributed architecture, EB-level elastic expansion
Multi-protocol lossless interworking & diversified workload adaptation

Simplified Data Mobility

Geo-distributed Global namespace with an unified data view
Cross-domain data flow and trusted transmission



Specifications

Model	OceanStor Pacific 9928					
System Architecture	Fully symmetric scale-out architecture					
Capacity of Main Storage NVMe SSDs (TB)	1.92	3.84	7.68	15.36	30.72	61.44
Max. Raw Capacity per Chassis (TB)	69.12	138.24	276.48	552.96	1105.92	2211.84
Height per Chassis	2U					
Number of Nodes per Chassis	1					
Max. Number of Main Storage Disks per Node	36					
Number of Processors per Node	2 x Kunpeng 920 processors					
Max. Memory per Node	1024 GB					
Number of System Disks per Node	2 x 480 GB SSDs					
Front-End Service Networks	· 10 GE, 25 GE, 100 GE, or 200GE TCP/IP · 25GE, 100GE, or 200GE TCP/RoCE · 100 Gb/s, 200 Gb/s, or 400Gb/s InfiniBand					
Storage Interconnection Networks	· 10 GE, 25 GE, 100 GE, or 200GE TCP/IP · 25GE, 100GE, or 200GE TCP/RoCE · 100 Gb/s, 200 Gb/s, or 400Gb/s InfiniBand					
Data Redundancy Protection Mechanism	· Erasure Coding (EC): N + M (M is 2, 3, or 4) · Multi-copy: 2-copy and 3-copy modes					
Storage Access Protocols	· Block storage: iSCSI, SCSI, and OpenStack Cinder · File storage: NFS, SMB, POSIX, MPI-IO, and FTP · Object storage: Amazon S3 · HDFS storage: HDFS					
Key Features	Elastic EC, HyperReplication(A) (asynchronous replication), HyperLock (WORM), SmartQoS (service quality), SmartCache (intelligent SSD caching), Object Versioning (versioning)[1], Recycle Bin, SmartIndexing (metadata indexing), SmartQuota (quotas), SmartAuditlog (audit logs), SmartCompression (data compression), HyperSnap (snapshots), SmartTakeover (intelligent takeover)[2], SmartEncryption (data encryption), SmartTier (storage tiering), SmartEqualizer (load balancing), SmartInterworking (multi-protoco linterworking), SmartMulti-Tenant (multi-tenancy), HyperGeoMetro & HyperGeoEC (cross-site disaster recovery)[3], NDMP, SmartMigration (data migration), Multi-copy					
Chassis Dimensions (H x W x D)	86.1 mm × 447 mm × 850 mm					
Max. Weight per Chassis (with Disks)	45KG					
Operating Temperature	5°C to 35°C					
Operating Humidity	8% to 90% RH (non-condensing)					

Note: 1. Object Versioning is applicable to object storage.
2. SmartTakeover is applicable to HDFS storage.
3. HyperGeoMetro and HyperGeoEC are applicable to object storage.

Scan for more information.