Cloudian HyperStore Appliances

Cloudian HyperStore® appliances are built on a robust object storage platform that is engineered to manage massive amounts of unstructured data, with near-limitless scalability, geographic independence, and multi-tenancy.

With unique features like object streaming and policy-based tiering, data moves seamlessly between your on-premises cloud and Amazon S3 or Google Cloud, regardless of object size. This unique hybrid cloud ecosystem lets you leverage cloud infrastructure for long-term bulk storage while keeping your most business-critical data on-premises. Cloudian can also serve as a secondary on-premises backup target at a disaster recovery site.

HyperStore appliances are built for simplicity, density, and scale using commodity hardware. Each model is fully integrated with Cloudian HyperStore software to ensure limitless scalability, multi-data center storage and replication, fully automated data tiering to Amazon S3 or Google Cloud, and support for all Amazon S3 API applications — all behind your firewall.

- Start with as little as 48TB, scale to hundreds of petabytes
- Amazon S3 API compatible
- Dynamic data tiering to Amazon S3 and Google Cloud
- Protect data using replication, erasure coding, or both
- Grow to multiple data centers or regions
- Professional services and 24x7 support

S3 GUARANTEE

PRODUCT FEATURES

- Amazon S3 API compatible
- Built on commodity servers
- Policy-based tiering to Amazon S3 and Google Cloud
- Professional services, 24x7 support
- Single management view into on-prem and cloud storage

USE CASES

- Hybrid cloud
- Backup and disaster recovery
- Long-term archival
- File sync and share
- Big Data analytics
- Remote file storage
- Content delivery network
- Storage-as-a-Service (STaaS)

Cloudian guarantees compatibility with all Amazon S3 API applications.
LEARN MORE >

HyperStore 1500 Appliance

- Ultra-dense 1U platform
- 12x hot-swappable 3.5" disk drives
- Up to 4x hot-swappable 2.5" SSDs
- 10Gbe networking

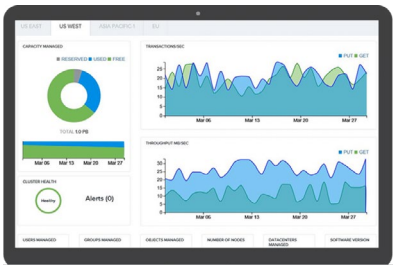
The innovative pull-out design of the 1U platform requires no external cable management arm, significantly reducing deployment time.

HyperStore 4000 Appliance

- Ultra-dense 4U platform
- 2 nodes in 1 chassis
- 70x hot-swappable 3.5" disk drives (35 per node)
- Up to 4x hot-swappable 2.5" SSDs
- 10Gbe networking

HyperStore 1500 Specifications

Form Factor	1U rack mount chassis
Metadata Drives	2x 480GB SSD
Data Drives	12 x 3.5” SAS HDD (7200RPM)
Drive Sizes	4TB, 8TB, 10TB
Storage Capacity Raw	48TB, 96TB, 120TB
Data Protection	Replication and erasure coding via storage policies
Redundancy	Hot swappable disk drives 2x hot swappable power supplies No single point of failure Non-disruptive online software upgrades
CPU	2x E5-2620 v4, 8 core
Memory	64GB
Network Interfaces	2x10Gbe (10BaseT or SFP+)
Monitoring/Management	CLI, GUI, API, IPMI, JMX
Power Supply	700W Platinum PSU, 1+1 Redundancy, 100-240V AC
Cooling	(6) 40x56 dual rotor fans
Thermal Rating	2578 BTU/hr (max)
Dimensions	17.6" x 1.7" x 35" 448.2mm x 43.2mm x 881mm
IO Ports	Front: (1) USB 2.0 port Rear: (2) USB 3.0 ports, (1) VGA port, (1) RS232 serial port (2) 1GbE RJ45 ports, (1) Gbe RJ45 management port
Operating Environment	Operating temperature: 5°C to 35°C (41°F to 95°F) Non-operating temperature: -40°C to 65°C (-40°F to 149°F) Operating relative humidity: 50% to 85%RH Non-operating relative humidity: 20% to 90%RH



Cloudian Management Console
One window for configuring, managing, and monitoring.

HyperStore 4000 Specifications

Form Factor	2 nodes in a 4U rack mount chassis
Metadata Drives	4x 800GB SSD (2 per node)
Data Drives	70x SAS HDD (35 per node, 7200RPM)
Drive Sizes	4TB, 8TB, 10TB
Storage Capacity Raw	560TB / 700TB
Data Protection	Replication and erasure coding via storage policies
Redundancy	Hot-swappable disk drives 4x hot swappable power supplies No single point of failure Non-disruptive online software upgrades
CPU	4x E5-2620 v4, 8 core (2 per node)
Memory	256GB (128GB per node)
Network Interfaces	4x 10Gbe (2 per node)
Monitoring/Management	CLI, GUI, API, IPMI, JMX
Power Supply	Redundant 2+2 PSU (1,200W, 100V-240V, Platinum
Cooling	(4) 8056 + (1) 6056 dual-rotor fans
Thermal Rating	3794 BTU/hr (max)
Dimensions	17.6" x 6.9" x 35.9" 447mm x 175.3mm x 912.2mm
Weight	130Kg / 287 lbs
IO Ports	Rear per node: (2) USB 3.0 ports; (1) VGA port; (2) RS232 serial ports; (2) GbE RJ45 ports; (1) GbE RJ45 management
Operating Environment	Operating temperature: 5°C to 35°C (41°F to 95°F) Non-operating temperature: -40°C to 65°C (-40°F to 149°F) Operating relative humidity: 50% to 85%RH Non-operating relative humidity: 20% to 90%RH

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