BlackPearl

Unleash the Power of your Data with the New H-Series!

This innovative storage solution combines the scalability and affordability of software-enabled file and object storage with enhanced availability, reliability, and manageability. Accommodate massive data growth to petabytes (PB) of usable storage in a single system while maintaining optimal performance and cost-effectiveness.

BlackPearl H-Series reduces costs and ensures data availability while making it the ideal choice for organizations seeking future-proof secondary storage.

Data Protection

- Object Lock ensures your data remains impervious to deletion or unauthorized modification
- Immutability enables recovery from data loss, corruption, or accidental deletion of data
- Secure Multi-Factor Authentication restricts unauthorized user access

Flexibility

- Multi-protocol (CIFS, NFS, S3, S3 Glacier), File and object-based storage
- Hybrid (disk with NVMe flash) and All-flash configurations
- Advanced Policy-based Replication
- Adaptable Controls for Compliance, Governance, and Sovereignty

Benefits of Spectra's BlackPearl H-Series

- Configure your storage to match your needs with multiple storage tiers, providing cost-efficient flexibility
- Optimize budgets by storing large, datasets at a fraction of the cost compared to public cloud storage, ensuring data is both secure and affordable
- Experience the best of both worlds - enjoy cloud compatibility combined with on-prem performance, ensuring your data is accessible and responsive
- Guarantee your data is secure with optional self-encrypting disks
- Maintain full access and control over your data, with an enhanced availability architecture that minimizes downtime and maximizes durability

BlackPearl H-Series Technical Specifications

Item	Description
Software Options	BlackPearl NAS BlackPearl S3 BlackPearl Nearline Gateway
Form Factor (rack units)	4U (20U with 4x expansion)
Nodes per H-series chassis	2x H-series nodes configured in active / standby or 1x H-series active node
Availability Options	Active-standby (dual-node) or Single-active
Processor	AMD (8 core) Milan (2.8 GHz)
RAM	256 or 512 GB
Appliance Capacity	Up to 528 TB raw (10.0 PB raw with 4x 108-slot exp chassis) Up to 6.7 PiB usable (with 4x exp, 10+2 RAID)
Supported Disk Protection Levels	ZFS RAID dual-parity or triple-parity
SSD	1.6 TB, 6.4, 30 TB NVMe (U.2) drives
SSD Drive Count	Up to 4x SSD
HDD	8, 22 TB SAS or 8, 20 TB SAS (SED)
HDD Drive Count	Up to 24 x 3.5" HDD
Supported Expansion Enclosures	108x or 78x slot Disk Expansion Enclosures
Expansion Enclosure Connectivity	12 Gb SAS
Network Connectivity	Data: 2x 10/25 GbE or 2x 40/100 GbE ports per node Mgmt: 1x 1 GbE; IPMI: 1x 1 GbE
External Tape Library Connectivity	Up to 20x 12 Gb SAS ports per node or Up to 20x 16 Gb or 20x 32 Gb FC ports per node
Power Supplies	2x 1200W AC Platinum
Physical Specifications	Height: 7 in. (17.8 cm) Width: 19 in. (48.3 cm) Depth: 27 in. (68.6 cm) Weight: Max config: 114 lbs. (51.78kg)
Ambient Temperature	32°F to 95°F (0°C to 35°C) (Altitude -200 ft to 10,000 ft)
Operating Relative Humidity	5% to 95% relative humidity non-condensing
Thermal rating	1200W PSU: 4100 BTU/hr.
Certifications	ENERGY STAR 2.0 for Servers

About Spectra Logic Corporation

Dedicated solely to data storage innovation for more than 40 years, Spectra Logic helps organizations modernize their IT infrastructures and protect and preserve their data with a broad portfolio of solutions that enable them to manage, migrate, store and preserve business data long term, along with features to make them ransomware resilient, whether on-premises, in a single cloud, across multiple clouds, or in all locations at once.

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