

BlackPearl



Software-Defined Platform for Tiered Object and File Storage

Spectra Logic is at the forefront of data preservation, protection, and optimization.

BlackPearl® extends this legacy by delivering a robust, software-defined storage platform that seamlessly integrates with flash, disk, tape, and cloud—enabling organizations to secure and preserve their critical data at scale.



BlackPearl Nearline Object Gateway



- Integrates with Amazon S3-compatible applications
- Optimized for large, unstructured datasets
- Policy-based data movement
- Seamless replication and data redundancy

BlackPearl NAS



- Scalable to 20PB of raw storage in a single rack
- Data preservation and immutability
- Cost-effective storage (NFS, CIFS/SMB)

BlackPearl Nearline Media Gateway



- Optimized for tape storage
- Advanced policy control
- Robust data protection for enhanced resilience
- Designed for tailored workflows

Object-Based Tape



- Compatible with Amazon S3-Glacier
- Fast retrieval of infrequently accessed data
- Deep archive tier for long-term data retention
- Scales to exabytes of storage

BlackPearl: Flexible, Resilient, and Future-Ready

The BlackPearl family provides scalable, policy-driven storage solutions with all-flash and hybrid disk/flash configurations. Designed for high availability, reliability, and cost-effective scalability, BlackPearl ensures seamless data access and control whether on-premises, in the cloud, or across a multi-cloud hybrid environment.

BlackPearl provides a future-ready storage foundation, optimizing data security, accessibility, and management for active archives, deep storage, and hybrid cloud workflows.



BlackPearl Technical Specifications

	H3300 HDD+SSD-based Deployment Appliance	F7300 Flash-based Deployment Appliance	E2078 Disk Expansion Chassis
Processor	AMD Milan CPU	AMD Genoa CPU	N/A
RAM	256, 512GB	512GB	N/A
Availability	Single node or Active/Standby	Single node or Active/Standby	N/A
Expansion	Up to 4x E2078	Up to 8x E2078	N/A
Protection	ZFS RAID dual-parity or triple-parity		
Dimensions	4U, 7x19x27(in), 17.8x48.3x68.6(cm)	2U, 3.5x19x30(in), 8.9x48.3x76.2(cm)	4U, 7x19x32(in), 17.8x48.3x81.3(cm)
Power Supplies	Dual, Redundant 1300W	Dual, Redundant 1600W	Dual, Redundant 1600W
Network	1x 1 GbE mgmt; 1x 1 GbE IPMI 2x 10/25 or 40/100 GbE	1x 10 GbE mgmt; 1x 1 GbE IPMI 2x 40/100 GbE	N/A
Connectivity	6x PCIe (Gen4) slots 5x 4-prt 12Gb SAS HBAs 5x 4-prt 24Gb SAS HBAs 5x 4-prt 16Gb FC HBAs 5x 4-prt 32Gb FC HBAs	2x PCIe (Gen5) slots 2x 4-prt 12Gb SAS HBAs 2x 4-prt 24Gb SAS HBAs 2x 4-prt 16Gb FC HBAs 2x 4-prt 32Gb FC HBAs	SAS Interface
Capacity	24x 3.5" HDD 4x 2.5" SSD	24x 2.5" SSD	78x 3.5" HDD
HDD's	8, 20, 22TB SAS 8, 20TB SAS (SED)	N/A	4, 8, 20, 22TB SAS 8, 20TB SAS (SED)
SSD's	1.6, 6.4, 12.8, 25.6TB NVMe SSD (U.2)	1.6, 6.4, 12.8, 25.6TB NVMe SSD (U.2)	N/A
Amb Temp	32°F to 95°F (0°C to 35°C) (Altitude -200 ft to 10,000 ft)		
Humidity	5% to 95% relative humidity non-condensing, operating		
Thermal	4435 BTU/hr	5460 BTU/hr	5460 BTU/hr
Certifications	ENERGY STAR 2.0 for Servers		

a) Includes the front bezel.
b) Weights are approximate.
c) Includes optional cable management arm.

About Spectra Logic Corporation

Spectra Logic modernizes IT infrastructures to preserve, protect and defend data, from days to decades, whether on-premises, in a single cloud, across multiple clouds or in all locations at once. Our cost-effective solutions help organizations efficiently manage, migrate and store long-term data, from terabytes to exabytes, with features that make it ransomware resilient.