

# 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



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

### BlackPearl Network File Gateway



- Scales up to 20PB of raw storage in a single rack
- Ensures data preservation with built-in immutability features
- Delivers NAS functionality with support for NFS and SMB/CIFS protocols

### 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

	H3310 HDD+SSD-based Deployment Appliance	F7300 Flash-based Deployment Appliance	E3024 / E4078 Disk Expansion Options
<b>Processor</b>	AMD EPYC™7203P CPU	AMD EPYC™9254 CPU	N/A
<b>RAM</b>	256GB, 512GB	512GB	N/A
<b>Availability</b>	Single node or Active/Standby	Single node or Active/Standby	N/A
<b>Expansion</b>	Up to 4x Disk Expansion	Up to 8x Disk Expansion	N/A
<b>Protection</b>	ZFS RAID dual-parity or triple-parity		
<b>Dimensions</b>	4U, 7x19x29(in), 17.8x48.3x73.6(cm)	2U, 3.5x19x30(in), 8.9x48.3x76.2(cm)	4U, 7x19x32(in), 17.8x48.3x81.3(cm)  4U, 7x19x36(in), 17.8x48.3x91.4(cm)
<b>Power Supplies</b>	Dual, Redundant 1300W	Dual, Redundant 1600W	Dual, Redundant 1600W
<b>Network</b>	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 (OCP)	N/A
<b>Connectivity</b>	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
<b>Capacity</b>	24x 3.5" HDD 6x 2.5" SSD	24x 2.5" SSD	24x 3.5" HDD 78x 3.5" HDD
<b>HDD's</b>	8, 22TB SAS 8, 20, 22TB SAS (SED)	N/A	8, 22TB SAS 8, 20, 22TB SAS (SED)
<b>SSD's</b>	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
<b>Amb Temp</b>	32°F to 95°F (0°C to 35°C ) (Altitude -200 ft to 10,000 ft)		
<b>Humidity</b>	5% to 95% relative humidity non-condensing, operating		
<b>Thermal</b>	4435 BTU/hr	5460 BTU/hr	5460 BTU/hr
<b>Certifications</b>	ENERGY STAR 2.0 for Servers		

## 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.