

## Purpose-built infrastructure for BlackPearl Object Gateway Software

Spectra® Storage Servers provide a scalable, resilient foundation for BlackPearl® Object Gateway software, enabling policy-driven object storage across flash, disk, tape, and cloud. Optimized for secondary storage environments, they ensure predictable ingest, efficient data movement, and consistent operation as data transitions across storage tiers.



### Secondary Storage Optimization

- Optimized for policy-driven tiering across storage tiers
- Efficient for large, infrequently accessed datasets
- Reliable for sustained archive and backup workloads



### Scalable Efficiency

- Scales to multi-petabyte and exabyte environments
- High-density design reduces footprint, power, and cost
- Flash, disk, and hybrid configuration options available



### Sustained Throughput

- Consistent throughput for predictable ingest & placement
- Flash acceleration supports active datasets and workflows
- Avoids overprovisioning for short-lived performance peaks



### Simplified Deployment

- Pre-configured systems reduce deployment time
- Validated configurations ensure predictable operation
- Seamless integration into existing storage environments

## Optimized for BlackPearl Object Gateway

Spectra Storage Servers provide the execution layer for the BlackPearl policy-driven architecture—ensuring data is ingested, processed, and efficiently moved across flash, disk, tape, and cloud.

With F-Series (all-flash) and H-Series (hybrid) options, organizations can align performance, capacity, and cost to support active and long-term data retention at scale.

H-series Storage Server



F-series Storage Server



# Spectra Storage Server Specifications

	H3310 Hybrid Server	F7300 All-Flash Server	E3024 / E4078 Disk Expansion Chassis
<b>Usable Capacity*</b>	364 TiB HDD 106 TiB NVMe	424 TiB NVMe	364 TiB HDD / 1.2 PiB HDD
<b>Raw Capacity</b>	528 TB HDD 153 TB NVMe	614 TB NVMe	528 TB HDD / 1.7 PB HDD
<b>Maximum Usable Capacity*</b>	5.2 PiB (4x exp. chassis)	10.0 PiB (8x exp. chassis)	N/A
<b>Maximum Raw Capacity</b>	7.2 PB (4x exp. chassis)	14.3 PB (8x exp. chassis)	N/A
<b>Data Protection Options</b>	RAID: mirrored, single-parity, double-parity, or triple-parity		
<b>Storage Software</b>	BlackPearl Object Gateway Software		N/A
<b>Deployment Options</b>	Single or Dual Nodes		N/A
<b>Availability</b>	Standalone or Active/Standby		N/A
<b>Disk Slots</b>	24x 3.5" HDD 6x U.2 NVMe	24x U.2 NVMe	24x 3.5" / 78x 3.5"
<b>HDD</b>	8, 22 TB SAS Standard or Self-Encrypting Drives (SED)	N/A	8, 22 TB SAS Standard or Self-Encrypting Drives (SED)
<b>SSD</b>	1.6, 6.4, 12.8, 25.6 TB NVMe (U.2) (SED)	1.6, 6.4, 12.8, 25.6 TB NVMe (U.2) (SED)	N/A
<b>Onboard Connectivity</b>	1x 1 GbE mgmt; 1x 1 GbE IPMI 2x 12 Gb SAS	1x 10 GbE mgmt; 1x 1 GbE IPMI 2x 40/100 GbE (OCP)	N/A
<b>Additional Connectivity</b>	PCIe (Gen4) 10/25 and 40/100 GbE SAS3 16 Gb and 32 Gb FC	PCIe (Gen5) 10/25 and 40/100 GbE SAS3 16 Gb and 32 Gb FC	SAS3
<b>Power Supplies</b>	Dual, Redundant 1300W	Dual, Redundant 1600W	Dual, Redundant 1600W
<b>Thermal</b>	4,435 BTU/hour	5,460 BTU/hour	5,460 BTU/hour
<b>Rack Space Units</b>	4	2	4 / 4
<b>Dimensions</b>	7 x 19 x 29 (in), 17.8 x 48.3 x 73.6 (cm)	3.5 x 19 x 30 (in), 8.9 x 48.3 x 76.2 (cm)	7 x 19 x 32 (in), 17.8 x 48.3 x 81.3 (cm)  7 x 19 x 36 (in), 17.8 x 48.3 x 91.4 (cm)
<b>Certifications</b>	ENERGY STAR 2.0 for Servers		

\* Based on a fully populated chassis using 22 TB HDD & 25.6 TB NVMe in RAID 6 (12 drives, double parity).

## 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.



© Spectra Logic. All trademarks and registered trademarks are properties of their respective owners.

Toll Free: 800-833-1132 · 303-449-6400 · 6285 Lookout Road · Boulder, CO 80301 USA

V1-052126