

## GigaIO Storage Pooling Appliance

Disaggregated Storage for Deep Learning and HPC



### HIGHLIGHTS

#### Compact

High Density (1U rack-mount)  
NVMe Storage Enclosure

#### High Capacity

Up to 32 2.5" NVMe  
hot-swappable SSDs

#### PCIe host links

4 x16 PCIe ports for upstream  
connectivity

#### Two hot-swap 1000W power supplies

### The GigaIO™ Storage Pooling Appliance is the industry's leading PCIe all-flash NVMe array.

With 32 hot-swappable drives in a 1U form factor, the SPA achieves an unprecedented combination of storage flexibility in terms of density, efficiency, and performance. Two 16 drive bay sleds provide quick access for high reliability, availability, and serviceability. With up to 480TB of capacity, multiple SPA units can be attached to a FabreX memory fabric to provide petabyte-scale capacity. With performance features optimizing IOPS per watt, the SPA is an ideal option when transitioning from legacy HDDs to high performance all-flash NVMe SSDs. With support of advanced SSD form factors, including U.2, the SPA's ultra-high throughput and compute-optimized storage generates optimal CPU-to-drive ratios for maximum, balanced bandwidth.

The SPA includes two hot-swap 1000W Titanium Level power supplies, eight redundant 40mm fan modules, and readily installable hot-swap SSDs that easily load in 2.5-inch, tool-less drive bay sleds. The RB3032 SPA has four x16 PCIe ports for upstream connectivity to host servers via one or more FabreX Switches. The built-in Redfish API integrates seamlessly with existing GigaIO composability and management software, allowing for easy, straightforward open access to essential controls and features, such as power cycling for each SSD. The system supports up to 64 GB/s data transfers with ultra-high throughput and low latency for faster CPU-to-data storage performance supporting advanced computing applications.



## Specifications - Model RB3032

<b>Enclosure</b>	1U rack-mounted NVMe storage enclosure to support 32 NVMe SSDs.
<b>Dimensions</b>	1.71" H x 17.26" W x 31.95" D (43.6 x 438.4 x 811.7mm)
<b>Weight</b>	49 lbs. (22.2 kg), with rack rails and 32 drive carriers (no drives installed)
<b>NVMe Drive</b>	Front access, hot-swappable NVMe drives for up to 32 2.5" PCIe Gen 3 NVMe SSDs (2 sleds with 16 drives each)
<b>Ports</b>	8 PCIe 3.0 x8 (or 4 x16) upstream switch connections 2 PCIe 3.0 x16 expansion slots for additional connectivity RJ45 Management Port (for IPMI connectivity)
<b>Cables</b>	Connect to FabreX Switches and Adapter Cards using PCIe Gen 3 or Gen 4 Copper cables
<b>Cooling</b>	8x 40mm hot-swap cooling fans
<b>Power Supply</b>	1000W, 1+1 redundant with PMbus Hot-pluggable from rear of chassis System input: 100-127VAC / 9.8 - 7A / 50-60Hz, 200-240VAC / 7 - 5A / 50-60Hz System output: 800W: 100 – 127VAC, 1000W: 200 – 240VAC High efficiency (80Plus Titanium Level)
<b>Environmental</b>	Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
<b>Regulatory</b>	CE Mark / UL / CSA / CB Compliance with EN-60950-1 (IEC/EN, CSA, UL) EN 61000-6-2 (2005) FCC Class B. RoHS WEEE compliant

