



# GigAIO FabreX U.2 Resource Box - Disaggregated NVMe SSD Storage



The GigAIO Flash Array is a 2U rack-mounted NVMe storage enclosure. It can include 1+1 redundant canisters, up to 24 2.5" NVMe SSD drives, and 1+1 redundant 900W 80 Plus Platinum PSUs, to provide high throughput, low latency, resource sharing and high availability.

This U.2 JBOF (Just a Bunch of Flash) array delivers the next level of storage capacity, performance, and flexibility through disaggregation with the GigAIO FabreX Switch. PCIe Gen 3.0 x16 connectors operating at 128 Gbit/sec bandwidth can connect the array to one or more host computers. This JBOF is a perfect addition to any high-workload applications such as AI, data analytics and HPC.

## FEATURES

- Up to 24 U2 dual-ported SSD drives
- One or two rear panel PCIe Gen 3 host (upstream) links – x16 link delivers 128 Gbit/sec half-duplex or 256 Gbit/sec full-duplex throughput
- One or two rear panel PCIe Gen 3 target (downstream) links – for additional JBOF connectivity
- Intelligent enclosure management
- Self-discovery and self-configuration
- Hot swap design for easy maintenance
- Single or redundant power options

## Specifications

<b>Enclosure</b>	2U rack-mounted NVMe storage enclosure which supports 24 NVMe SSDs. 17.5" W x 21" D (446 x 536mm)
<b>NVMe Drive</b>	Front access NVMe drive Support 24 2.5" dual-ported NVMe SSDs Individual power control
<b>Canister</b>	1+1 redundant Support 8 mini SAS HD 4X ports for external connectivity PCIe Gen 3 NVMe SSDs and 8 mini SAS HD 4x ports
<b>Cables</b>	Connect JBOF to FabreX Switches and Adapter Cards with copper or Active Optical Cable
<b>Cooling</b>	Four 132CFM fans (removable)
<b>Power</b>	900W, 1+1 redundant Hot-pluggable from rear of chassis System input: 89 to 264Vac High efficiency (80Plus Platinum Level) Integrated fans for PSU and Canister cooling controlled by internal microcontroller Support N+1 fan failure
<b>Operating Environment</b>	1 to 35°C 10 to 90% relative humidity 0 to 10,000 feet above sea level Storage Environment -40 to 85°C, 5 to 96% relative humidity 0 to 50,000 feet above sea level Ambient Temperature 5 to 40°C Max Temperature Gradient 20°C per hour Ambient Non-Operating -40 to 60 °C
<b>Humidity</b>	Ambient Operating (Non-condensing) 8 to 85% R.H Ambient Non-Operating (Non-condensing) 8 to 95% R.H