GIGAIO **Data Sheet**

GigaIO Gen3 Accelerator Pooling Appliance

– Disaggregated Compute Accelerator for Deep Learning and HPC

HIGHLIGHTS

Compact
4U rack-mount

Configurable AIC slots

PCIe Gen 3.0 host links
x16 link delivers 128 Gbit/sec half-duplex or 256 Gbit/sec full-duplex throughput

Thermostatic fan controls

Single or redundant power options

The GigaIO™ Gen3 Accelerator Pooling Appliance is a rack-mount, disaggregated compute accelerator pooling appliance with space for up to 10 PCIe Gen 3.0 x16 accelerator cards.

This flexible expansion platform enables you to add numerous PCIe Gen 3.0 application accelerators, including GPUs, FPGAs, IPUs, thin-NVMe-servers and specialty AI chips. Configure the AICs for different workloads to quickly scale your applications. Two PCIe x16 lanes provide connections to the FabreX™ switch for maximum flexibility with disaggregation and dynamic composability of application accelerator devices.

The Accelerator Pooling Appliance includes three fans for cooling of high-capacity GPU systems.

Specifications

Enclosure	19" W x 18.5" D x 7" H (4U) Supports up to 10 total full-height, full-length PCIe slots, or 8 double wide GPUs Supports extended height cards and top GPU power cables Power and fan status bi-color LED panel
Cables	Connect to the FabreX Adapter Card with Copper or Active Optical Cable
Cooling	Three 120mm x 38mm fans mounted to the front bezel of the chassis Two standard fan options, perfect for GPU or FPGA accelerator High-capacity, variable speed (PWM) Fans: • Three 180CFM fixed-speed fans with tachometer monitoring via front panel LED
Power	Several options for the 10-slots available for expansion. The supplies are mounted inside the back panel of the chassis: Redundant Power:

	• Dual redundant 1000-2000W 80Plus Platinum supply shared among all backplanes in the enclosure Split Power: • Dual 1620W 80Plus Platinum supply for use with 2 separate backplanes zones Aux Power: • Up to 8 EPS12V 8-pin 12V aux power cables
Operating Environment	0 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