

FG4812T-A4 8-GPU Server

Product Overview

The FG4812T-A4 server supports dual-socket AMD EPYC™ 9004/9005 Series Processors and accommodates up to eight double-width NVIDIA Tesla, Quadro, or RTX GPUs, along with twelve 3.5-inch hot-swappable drive bays.

Built on a CPU–GPU heterogeneous computing architecture, the system delivers high performance, high reliability, and ease of maintenance, making it ideal for artificial intelligence and deep learning, weather modeling, medical research, computational physics, biochemical simulation, and financial modeling applications.



Key Features

- 2 x AMD EPYC™9004/9005 series processors with a maximum power of 500W;
- 24 x DDR5 memory slots, each CPU supports 12 x memory channels, supporting up to 6400MT/s;
- Supports up to eight double-width NVIDIA Tesla, Quadro, or RTX GPUs;
- 9 PCIe 5.0 x16 FHFL slots+2 PCIe 5.0 x8 FHFL slots;
- 12 × 3.5-inch hot-swappable drive bays (compatible with 2.5-inch drives), 1 × M.2 slots, optional 2 × U.2 NVMe SSDs;
- 1 1Gb RJ45 dedicated management network port;
- 4 hot-swappable fan modules, supporting N+1 redundancy;
- 4x 2000W/2400W/2700W/3000W high-efficiency platinum power supply;



High-performance

Supports 2*AMD EPYC™9004/9005 series processors with a maximum power of 500W, providing up to 192 cores and 384 threads per system, and up to eight double-width NVIDIA Tesla / Quadro / RTX GPUs for high-performance serial and parallel computing.



IPMI Remote Management

Provides IPMI-based remote management, enabling off-site monitoring and management of the server. Supports real-time monitoring of system components, remote operating system installation, fault alerts, and other management functions, significantly simplifying system administration and maintenance.



flexible configuration

Supports 9 full-length, full-height, single-width PCIe 5.0 slots with flexible expansion and broad compatibility for InfiniBand HCA, FC HBA, RAID, and other PCIe cards.



Key Applications

AI/Deep Learning Training
High Performance Computing

3D Rendering Farm
Multimedia/Digital Content creation

Hardware Specifications

FG4812T-A4 8-GPU Server

Processor	Supports 2*AMD EPYC™9004/9005 series processors, with a maximum TDP support of 500W、 Up to 192C/384T;
Memory	24 x DDR5 memory slots, each CPU supports 12 x memory channels, supporting up to 6400MT/s;
Supported GPU	Supports up to eight double-width NVIDIA Tesla, Quadro, or RTX GPUs;
Network	1 1Gb RJ45 dedicated management network port ; Supports expansion with standard PCIe network adapters at 1GbE, 10GbE, 25GbE, 40GbE, 100GbE, and 200GbE;
Drive Bays Configuration	12 × 3.5-inch hot-swappable drive bays (compatible with 2.5-inch drives), 1 × M.2 slots, optional 2 × U.2 NVMe SSDs ;
RAID Expansion Support	Supports flexible configuration of SAS RAID controllers with RAID 0, 1, 5, 6, 50, and 60, featuring supercapacitor-backed cache protection .
PCI-Express	9 PCIe 5.0 x16 FHFL slots+2 PCIe 5.0 x8 FHFL slots;
OS Compatibility	kylinos、 Red Hat Enterprise Linux 、 SLES、 CentOS、 QEMU-Xen、 vSphere、 QEMU-KVM、 Ubuntu、 VMWare ESXi、 Microsoft Windows;
BMC	Integrated BMC management chip, supporting functions such as IPMI2.0, Redfish, SOL, KVM, virtual media, etc;
I/O Ports	1x IPMI RJ45 management port; 2x VGA; 4x USB3.0 prot;
FAN	4 hot-swappable fan modules, supporting N+1 redundancy, intelligent speed regulation, and abnormal alarm ;
Power Supply	4x 2000W/2400W/2700W/3000W high-efficiency platinum power supply ;
Chassis	4/5U Rackmount;
Security	Supports TPM2.0 module and chassis intrusion alarm;
Dimensions	448mm x 175mmx 822mm(WxHxD);
Weight	Maximum weight 31 kg;
Operating Environment	Operating temperature: 5°C - 35°C (without direct sunlight); Storage temperature: -40°C - 70°C;

Contact & Support

Phone: +86 [18929397529] | Web: empowerx.com.hk

Disclaimer

Product specifications and information (including appearance and dimensions) are subject to change without notice due to upgrades or other reasons Images are for reference only; actual products may vary.



Follow Us (@EmpowerX)