FG4412G-G5　4-GPU Server

Product Overview

The FG4412G-G5 server supports dual-socket 5th/4th Gen Intel® Xeon® Scalable Processors and accommodates up to four 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

- Supports 2*4th/5th Gen Intel® Xeon® Scalable processors with a maximum TDP of 350 W;
- 16 DDR5 memory slots, supporting DDR5 4400/4800/5600MHz memory;
- Supports up to four double-width NVIDIA Tesla, Quadro, or RTX GPUs;
- 9 PCIe 5.0 x16 FHFL slots;
- 12 × 3.5-inch hot-swappable drive bays (compatible with 2.5-inch drives), 2 × M.2 slots, optional 4 × U.2 NVMe SSDs;
- 2 x 1GbE BaseT LAN;
- Standard 8 hot-swappable 8038 fans;
- 2200W/2600W 1+1 redundant power supply;

High-performance

Supports 2* 4th/5th Gen Intel® Xeon® Scalable processors, providing up to 128 cores and 256 threads per system, and up to four 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
Rendering
VDI

Hardware Specifications

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Processor	Supports 2*4th or 5th generation Intel® Xeon® Scalable processors, with a maximum TDP support of 350W、Up to 64C/128T;
Chipset	Intel® C741;
Memory	16 DDR5 memory slots, supporting DDR5 4400/4800/5600MHz memory;
Supported GPU	Supports up to four double-width NVIDIA Tesla, Quadro, or RTX GPUs;
Network	2 RJ45 1GbE ; 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), 2 × M.2 slots, optional 4 × U.2 NVMe SSDs ;
RAID Expansion Support	Integrated SATA controller supporting SATA RAID 0/1/5/10(subject to system configuration); Configurable with SAS RAID controllers that support RAID 0,1,5,6,50,60,including supercapacitor-based cache protection.
PCI-Express	9 PCIe 5.0 x16 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 1GbE RJ45 port; 1x VGA; 2x USB3.0 prot，2x USB2.0 port;
FAN	Standard 8 hot-swappable 8038 fans ;
Power Supply	2200W/2600W 1+1 redundant power supply ;
Chassis	4U Rackmount;
Security	Supports TPM2.0 module and chassis intrusion alarm;
Dimensions	437mm x 177mmx 760mm(WxHxD);
Weight	Maximum weight 31 kg;
Operating Environment	Operating temperature: 5ºC - 35ºC (without direct sunlight); Storage temperature: -40ºC - 70ºC;

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