

# FG4824-G4SL 8-GPU Server

## Product Overview

The FG4824-G4SL server supports dual-socket 5th/4th Gen Intel® Xeon® Scalable Processors and accommodates up to eight double-width NVIDIA Tesla, Quadro, or RTX GPUs, along with 24x 2.5-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;
- 32 DDR5 memory slots, supporting DDR5 4400/4800/5600MHz memory;
- Supports up to eight double-width NVIDIA Tesla, Quadro, or RTX GPUs;
- 13 PCIe 5.0 x16 FHFL slots;
- 24 × 2.5-inch hot-swappable drive bays, 2 × M.2 slots;
- 1 1Gb RJ45 dedicated management network port, 2 RJ45 10GbE with Intel® X710-AT2;
- Up to 8 heavy duty fans with optimal fan speed control;
- 4x 2700W high-efficiency platinum 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 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  | Rendering |
| High Performance Computing | VDI       |

# Hardware Specifications

## FG4824-G4SL 8-GPU Server

<b>Processor</b>	Supports 2*4th or 5th generation Intel® Xeon® Scalable processors, with a maximum TDP support of 350W、Up to 64C/128T;
<b>Chipset</b>	Intel® C741;
<b>Memory</b>	Supports 32 x DDR5 DIMMs, up to 5600/4400MHz;
<b>Supported GPU</b>	Supports up to 8 industry-leading NVIDIA RTX all-in-one liquid-cooled GPUs;
<b>Network</b>	1 1Gb RJ45 dedicated management network port; 2 RJ45 10GbE with Intel® X710-AT2; Supports expansion with standard PCIe network adapters at 1GbE, 10GbE, 25GbE, 40GbE, 100GbE, and 200GbE. ;
<b>Drive Bays Configuration</b>	24 × 2.5-inch hot-swappable drive bays, 2 × M.2 slots ;
<b>RAID Expansion Support</b>	Integrated 6Gb/s onboard SATA, optional support for 12Gb/s SAS HBA and 12Gb/s SAS RAID card;
<b>PCI-Express</b>	13 PCIe 5.0 x16 FHFL slots;
<b>OS Compatibility</b>	kylinos、Red Hat Enterprise Linux 、SLES、CentOS、QEMU-Xen、vSphere、QEMU-KVM、Ubuntu、VMWare ESXi、 Microsoft Windows;
<b>BMC</b>	Integrated BMC management chip, supporting functions such as IPMI2.0, Redfish, SOL, KVM, virtual mediaetc;
<b>I/O Ports</b>	1x IPMI RJ45 management port; 2x RJ45 10GbE with Intel® X710-AT2 1x VGA; 2x USB3.0 prot; 1x COM prot;
<b>FAN</b>	Up to 8 heavy duty fans with optimal fan speed control;
<b>CDU</b>	Cooling capacity ≥6 kW; coolant supply temperature ≤38°C (ambient 25°C), flow rate 8 LPM, pump head 0.5 bar with dual-pump redundancy; equipped with a dedicated Cooltera liquid-cooling controller displaying temperature, loop pressure, pump speed and other parameters; airflow 600 CMH; full-load noise ≤60 dB.
<b>Power Supply</b>	4x 2700W high-efficiency platinum power supply;
<b>Chassis</b>	4U Rackmount;
<b>Security</b>	Supports TPM2.0 module and chassis intrusion alarm;
<b>Dimensions</b>	4U Rack Server: 437 mm × 178 mm × 737 mm (W × H × D) 4U Rack CDU: 445 mm × 177 mm × 860 mm (W × H × D);
<b>Weight</b>	Maximum weight 60 kg;
<b>Operating Environment</b>	Operating temperature: 5°C - 35°C (without direct sunlight); Storage temperature: -40°C - 70°C;

### Contact & Support

Phone: +86 [18929397529] | Web: empowex.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)