



Foredge G6400

Intel Xeon 2P GPU Server



Product Introduction

The G6400 is an AI server based on Intel EGS platform. It is a heterogeneous computing server designed for artificial intelligence, high-performance computing (HPC), cloud computing and big data processing. Optimized for deep learning training, inference and HPC workloads, the entire series supports PCIe 5.0 bandwidth for all I/O interfaces. It can be deployed in enterprise and public cloud environments to deliver powerful support for AI training and inference.

Product Features

- Supports 2 units of 4th/5th Gen Intel® Xeon® Scalable processors, with a maximum 350W TDP CPU and up to 32 RDIMM DDR5 memory modules.
- It adopts a design for 8 full-height, full-length (FHFL) double-width GPUs. Each GPU is equipped with a PCIe 5.0 x16 interface to deliver high-efficiency heterogeneous computing power.
- It features 12 drive bays, compatible with 2.5-inch and 3.5-inch SSD/HDD. Supporting SATA, SAS and NVMe protocols, it enables flexible storage configuration.



Product Specifications

Form Factor	6U Rackmount Dimensions (W × H × D): 445 × 267 × 865 mm
Processor	Supported: 2 × 4th/5th Gen Intel Xeon Scalable Processors Recommended: 2 × Intel Xeon 6430 / 6530 / 8558
Memory	Supported: Up to 32 DDR5 RDIMM slots, max speed 5600 MT/s, maximum capacity 4 TB Recommended: 8/12/16 × 64 GB or 24 × 32 GB DDR5 memory @ 5600 MT/s
Storage	Maximum 12 SATA/SAS drives (LFF/SFF) Or 8 SATA/SAS drives + 4 NVMe drives (LFF/SFF) Recommended: 2 × 480/960 GB SATA SSD + 1.92/3.84 TB NVMe SSD
PCIe	GPU: Direct CPU-to-GPU PCIe 5.0 x16 interface. Up to 8 FHFL double-width expansion cards; compatible with 8 × RTX 4090 / 5090 Turbo, PRO 5000D Passive and other GPUs. Other Expansion: SKU1: 2 × PCIe 5.0 x8 + 1 × PCIe 5.0 x16 Riser Cable SKU2: 2 × PCIe 5.0 x16 Riser Cable Optional: 1 × OCP 3.0 Riser Cable
Network	Optional OCP 3.0 network adapter Optional standard PCIe network adapters (1/10/25/50/100/200/400 GE)
BMC	Equipped with APEED AST2600 BMC chip; supports IPMI 2.0 and Redfish 1.13
I/O	Front Panel: 2 × USB ports, 1 × VGA port, 1 × UID button, power button, status indicators Rear Panel: 2 × USB ports, 1 × VGA port, 1 × RJ45 management port, 1 × system serial port, 1 × UID button
Fans	Dual-layer hot-swappable fans with N+1 redundancy
Power	4 × 2700 W hot-swappable CRPS power supplies, supporting 3+1 redundancy
RAID	Optional high-performance RAID controller, supports RAID 0/1/10/5/6/50/60 Recommended: 9560-8i 4G RAID Card
Operating Temperature	5°C~35°C (The supported operating temperature varies by configuration)