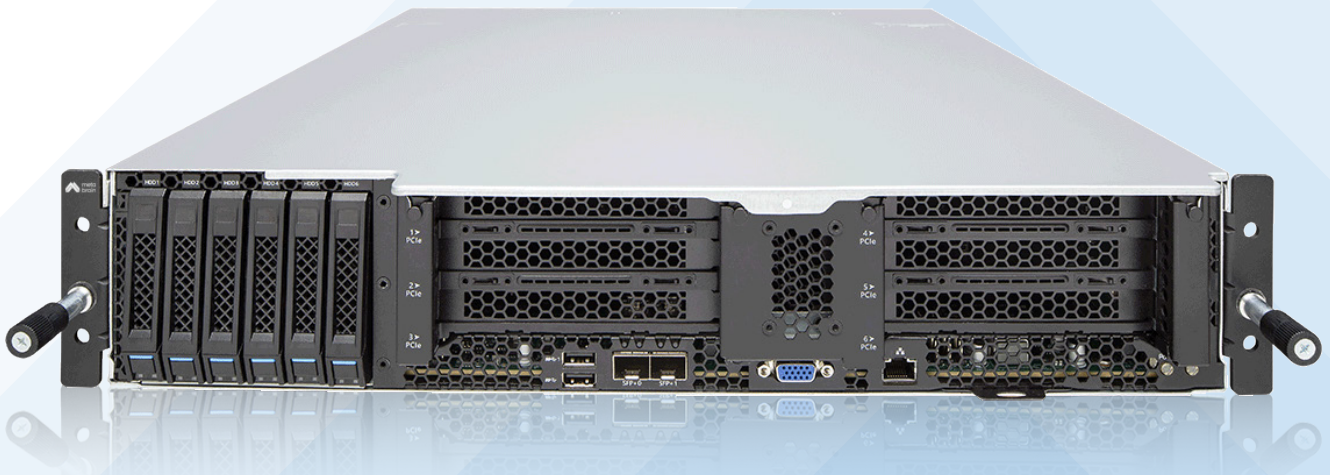# meta brain® server
NE5260M5

Ultimateeta EdgeServer

Overview

The meta brain server NE5260M5 is IEI's first 2U2S server designed for edge computing scenario optimization. Featuring the latest Intel Xeon Scalable processors, it delivers high performance, flexible scalability, and exceptional environmental adapt ability for the extreme challenges of edge computing.

Product Features

Excellent performance

- Each CPU supports 6 memory channels and 8 DDR4 DIMMs, up to 3,200 MHz.
- Supports Optane Persistent Memory (PMem), achieving greater agility, security and reliability. Supports up to 6 + 2 NVMe SSDs, with low latency and large storage capacity.
- Adopts the brand-new NUMA Balance architecture, providing more balanced and efficient processing performance.

Flexiblescalability

- Supports 6 PCIe 3.0 slots, up to 2 PCIe x16 and 4 PCIe x8 slots, or 4 PCIe x16 slots.
- Supports up to 2 double-slot PCIe x16 GPUs with a TDP of 300 W, or up to 4 FHHL PCIe x16 GPUs with a TDP of 75 W.

Exceptionalenvironmentaladaptability

- It supports rack and wall mounting, reducing the deployment environment requirements. The server depth is only 430 mm (16.93 in.), nearly 1/3 shorter than that of general-purpose servers.
- Operating temperature: 0°C to 45°C (32°F to 113°F) (long-term), -5°C to 50°C (23°F to 122°F) (short-term); humidity: 5% to 90% Features Class A electromag netic compatibility, dust-proof, corro sion-resistant and seismic design, meeting telecommunications standards.

Aledgedeployment

- Scalable processors, the NE5260M5 supports the new instruction set extension AVX512_VNNI and provides professional accelerated deep comput ing and AI capabilities.
- It supports up to 2 double-slot or 4 single-slot AI acceleration expansion cards, supports NVIDIA V100/T4 and other GPUs and FPGA cards with similar capabilities, and supports a hybrid deployment model to meet various AI application require ments.

Easy O&M

- The modular design and front-side O&M improve flexibility and efficiency.
- Front I/O design and isolated cold and hot air passages improve cooling efficiency.

Product Specifications

Model	NE3120M5
Processor	2 latest Intel Xeon Scalable processors with a TDP of up to 205 W
Memory	Up to 16 DDR4 DIMMs, 2,400/2,666/2,933/3,200 MT/s Supports RDIMMs/LRDIMMs/Optane PMems Up to 1,024 GB (64 GB per DIMM)
Storage Drive	Front: Up to 6 × 2.5-inch HDD/SSD or 4 × 2.5-inch HDD/SSD+ 2 × 3.5-inch HDD Internal: Up to 2 × M.2 SSD
I/O Expansion	Up to 6 standard PCIe 3.0 slots. Different PCIe Riser cards can be selected to provide different combinations of PCIe x8 and PCIe x16 slots Up to 2 double-slot GPUs or 4 single-slot GPUs
Power Supply	Supports two 550/800/1,300/1,600/2,000 W Platinum/Titanium PSUs with 1+1 redundancy
Operating Temperature	-5°C to 50°C (23°F to 122°F) (For details, please refer to the white paper)
Dimensions (W × H × D)	448 × 87 × 430 mm (17.64 × 3.43 × 16.93 in.)