X86 MGX Short-Depth Edge Server Accelerates On-Premise Enterprise AI Deployment

Aetina is thrilled to unveil AEX-2UA1, the enterprise-level edge server. AEX-2UA1 complies with NVIDIA MGX™ architecture, delivering maximum performance within a compact form factor for edge computing. Powered by advanced technologies from Intel and NVIDIA, AEX-2UA1 supports a single socket Intel® Xeon® 6 and two double-deck GPUs with NVLink bridges, enhancing LLM (large language model) training and inferencing performance with direct GPU-to-GPU interconnect to unleash uncompromising edge computing performance.

AEX-2UA1 empowers enterprises to effectively handle sensitive data with **on-premise LLM** and other **enterprise AI** applications. It is particularly valuable in sectors such as Finance and Medical, where privacy is paramount, and 5G Telco, offering compact, and optimal mission critical system. It serves as an ideal entry system for enterprises in need of LLM deployment, offering low barriers to entry compared to standard GPU servers in the market.

Powered by Intel® Xeon® 6 with P-cores

- Ideal for AI, Edge and Analytics

Support 2 Double-Deck NVIDIA GPUs with NVLink

- Suitable for high performance tasks
- Enhance LLM training and inferencing performance with direct GPU-to-GPU interconnection

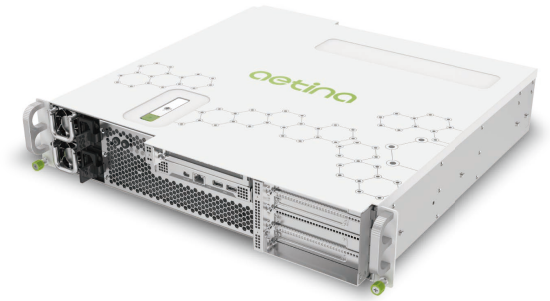
Compact Footprint

- 2U short-depth and front access form factor, optimizing space utilization
- Suitable for deployments in racks or even non-rack locations

Advanced Networking Solutions

- NVIDIA Bluefield-3 and NVIDIA ConnectX®-7 NIC, for high-speed low-latency communication

NVIDIA MGX Short–Depth Server



AEX-2UA1 *Preliminary

- NVIDIA-certified MGX modular server, tailored for Edge AI applications.
- Powered by Intel® Xeon® 6 with P-cores.
- Short and Compact Accelerated server - 420mm (16.5″) short-depth.
- Optimal Accelerated performance at Edge - supporting 2 double deck GPUs and NVLink bridge for boosting GPU-to-GPU interconnections.
- Supporting NVIDIA® Bluefield-3 and NVIDIA® ConnectX®-7 for high performing networking.

Model Number	AEX-2UA1
CPU	Single Socket Intel® Xeon® 6 with P-cores
Chipset	N/A
GPU(Optional)	Support up to 2 dual width PCIe Passive GPUs
Memory	8 channel memory 6400 MT/s DDR5 8000 MT/s MCR DIMM
Storage	(External/Rear) (4) Hot-swappable E1.S, up to PCIe Gen5, up to 15mm E1.S (Internal) (2) M.2, up to PCIe Gen5 x4, M-Key 2280/22110
Front I/O	I/O: (1) RJ45 1Gbe Dedicated BMC LAN port, (1) MiniDP port, (2) USB 2.0 ports Button: System Power, UID/BMC reset Status LED: Power, UID, Storage IO, LAN1, LAN2, Information
Expansion	(2) FHFL Gen 5 x 16 PCIe slot (up to 2 Double Width GPU with NVLink bridge) (1) FHFL Gen 5 x 16 PCIe slot (x8 link) (1) FHHL Gen5 x 16 PCIe slot
MISC. Function	Trusted Platform Module (TPM) 2.0 Intel® Platform Firmware Resilience (Intel® PFR)
Power Input / Connector	IEC 60320 C13
Dimension (W x D x H)	2U Rackmount 438mm x 420mm x 88mm
Mounting	Rackmount
Temperature	Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -30°C to 60°C (-22°F to 140°F)
Humidity	Operating Relative Humidity: 8% to 80% (non-condensing) Non-operating Relative Humidity: 8% to 90% (non-condensing)

Key Applications

Download the digital flyer

aetina Edge ON AI Beyond
Aetina Corporation 17F, No.237. Sec.1, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan
Tel : +886-2-7709-2568 | Fax : +886-2-7746-1102 | E-mail : sales@aetina.com | www.aetina.com