

Edge AI Computing, Scaled Your Way

AI-Ready Edge Servers for Real-World Workloads



From single-digit TOPS to 1000+ TOPS, the Iei Edge AI Family delivers scalable AI computing power, so you get exactly the performance you need—no more, no less.

Designed for Edge AI inference and training, the Iei Edge AI Family features GPU-focused expansion, flexible storage, and purpose-built system designs for real-world industrial and AIoT applications.

Find the Right AI Performance for Your Application

~ 100 TOPS

100 ~ 300 TOPS

300 ~ 1000 TOPS

1000+ TOPS



Entry

IoT environmental monitoring,
retail POS, AOI



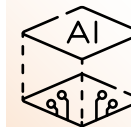
General

AMR / AGV / Co-robot
Real-time video analysis



Advanced

Medical imaging AI
E-fence



Performance

High-density video analysis
Edge RAG / LLM

Edge AI Rackmount Systems Lineup—GAIA Series

GAIA-3010I

GAIA-3020I

GAIA-5020A

GAIA-504TA

GAIA-5040A



| | | | | | |
|----------------------|---|--|--|---|--|
| CPU | Intel® 12th / 13th / 14th Gen Core™ i9 / i7 / i5 / i3 | | AMD EPYC SP6 Siena (8-64 cores) | | |
| Memory | Dual-channel DDR5 4400 MHz | | DDR5 4800 MHz RDIMM (ECC) | | |
| GPU Expansion | PCIe Gen4 x16, supporting a single-slot FHFL GPU | PCIe Gen5 x16, supporting a single-slot FHFL GPU | PCIe Gen4 x16, supporting a single-slot FHFL GPU | 3 × PCIe Gen4 x16, supporting two single-slot FHFL GPUs | 3 × PCIe Gen4 x16, supporting a dual-slot FHFL GPU |
| Network | Dual 2.5GbE | | 4 x 2.5GbE | | |
| Display | Triple independent displays: DisplayPort 1.4a, HDMI™, and IDPM module | | 1 × DisplayPort | | |
| Storage | Hot-Swap 2.5"/3.5" SATA | M.2 + 2.5"/3.5" SATA | 4x M.2 | 4x M.2 + Hot-Swap 2.5"/3.5" SATA | 4x M.2 + 2.5"/3.5" SATA |
| Form Factor | 1U Rack | 2U Rack | 2U Rack | Tower / 4U Rack | 4.5U Rack |

Why Choose IEI Edge Servers



AI-Ready Computing Power

Utilize purpose-built architecture to fulfill the demanding requirements of AI training and inference workloads at the edge.



Scalability

Expand computing power easily by adding AI modules, enabling seamless scalability.



Energy Efficiency & Bandwidth Savings

Reduce data transmission and lower the burden on cloud computing centers, helping lower operating costs (OPEX).



Reliable & Real-time

Leverage on-site inference to eliminate reliance on network quality or cloud availability, ensuring 24/7 mission-critical stability.



IEI Integration Corp.

Email: sales@ieiworld.com

Website: www.ieiworld.com



Start with GAIA

Not sure how much AI power you need?

Start with GAIA.