

Next-Gen AI Edge Computing Solution



GIFA RB-B120

CPU+NPU+GPU Device: Ultra-Efficient, High Bandwidth

The RB-B120 industrial embedded computer directly addresses key challenges in demanding automation and edge computing environments: ensuring reliable, high-performance operation in a rugged, compact form factor. It solves this by harnessing the powerful AI-ready Intel® Core™ Ultra 5 processor 125H within a chassis designed for harsh conditions.

Deployment benefits include robust computing for AI and complex tasks, maximized uptime with a unique external one-touch OS Recovery system, and rapid integration via comprehensive I/O. Key selling points are its hybrid architecture (CPU+NPU+GPU), dual DDR5 support up to 96GB, versatile multi-display outputs (HDMI/VGA), and critical industrial features like 16-channel isolated GPIO, optional CAN bus, and dual Intel® Ethernet Gigabit LAN.

It stands out by uniquely combining this modern AI compute platform with dedicated system-level safeguards—including wide-range 9-36V power protection, isolated I/O, and the accessible OS Recovery button—offering superior reliability as a complete turnkey solution.



***Rugged AI PC with
Intel® Core™ Ultra
Processor,
4 Displays & One-
Key Recovery***

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel® Core™
Ultra Processors



OpenVINO™
Toolkit



Intel® Ethernet



Intel® oneAPI
Toolkit

Key Features

Empowered by Intel.



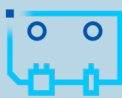
High-Performance Platform



High-Speed, Large Memory



Advanced Graphics & Multi-Display



Compact Industrial-Grade Design

GIFA RB-B120



Product Specifications

CPU	Intel® Core™ Ultra 5 processor 125H
Graphics	Intel® Arc™ graphics
Memory	2×DDR5 SO-DIMM Slots, Supports DDR5-5600 Memory, Up to 96GB
Storage	1×M.2 M-Key 2280 (NVMe protocol support), 1 × 2.5-inch HDD/SSD bay (SATA 3.0)
Wireless Network	Mini-PCIe slot for 4G/5G, M.2 E-Key slot for Wi-Fi/Bluetooth
LAN	Intel® Ethernet Controller I225-V or I226-V
Operating / Storage Temp.	0°C ~60°C / -25°C ~75°C
Dimension (W x D x H)	224mm x 202.5mm x 67mm
Weight	1.2Kg
OS	Linux, Windows 11

Learn More

[GIFA RB-B120](#)

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