

WNAI-E800

Intel® 14th Gen Core™ Processor with NVIDIA® RTX™ GPU Industrial Edge AI

Computer



CE

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KEY FEATURES

- Supports Intel® 14th generation Raptor Lake S processor (LGA 1700)
- Supports single NVIDIA RTX™ 2000 Ada/4060/4070/4000 Ada/6000 Ada GPU
- Up to 2 x 262pin SODIMM DDR5 5600MHz up to 96GB(48GB per Slot)
- 2 x Intel 2.5 Gigabit LAN. Optional additional 4 Gigabit LAN.
- Supports Two display, 1 x HDMI 2.0, 1 x DP 1.4a
- Supports Intel® vPro
- Rugged Design, -40°C to 60°C operation (Optional)

INTRODUCTION

Winmate Edge AI Computing empowers industries with advanced AIoT capabilities by combining powerful processors, integrated AI acceleration, and robust connectivity. Designed for diverse applications such as manufacturing, healthcare, and smart cities, it supports seamless cloud integration and AI-assisted analytics for real-time insights. With optional support for Intel®, Hailo AI chips, and NVIDIA GPUs, along with low-latency AI inferencing and rugged designs, Winmate's solutions offer scalability, efficiency, and adaptability, redefining performance standards for AI-driven industrial IoT.

SPECIFICATIONS

System Specification

Processor	Intel® Core™ i7-14700T(up to 5.2GHz) Intel® Core™ i9-14900T(up to 5.5GHz) (Optional)	Chipset	Intel® R680E
Memory	SO-DIMM, DDR5 4800 MHz, 8+8GB 16+16GB (Optional) 32+32GB (Optional)	Storage	1 x M.2 2280 M-Key NVMe SSD, 512GB 1TB (Optional) 2TB (Optional) 4TB (Optional)
Ethernet controller	3 x Intel® 2.5 Gigabit Ethernet Controller	Security	TPM 2.0
Operating System	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional)	WLAN	Support (Optional)
BT	Support (Optional)	Graphic Card	NVIDIA® RTX 4000 Ada 20 GB Graphic Card (Optional) NVIDIA® RTX 4000 SFF Ada 20GB Graphic Card (Optional) NVIDIA® RTX 2000 Ada 16GB Graphic Card (Optional) NVIDIA® GeForce RTX 4070 Graphic Card (Optional) NVIDIA® GeForce RTX 4060 8GB Graphic Card (Optional)

Mechanical

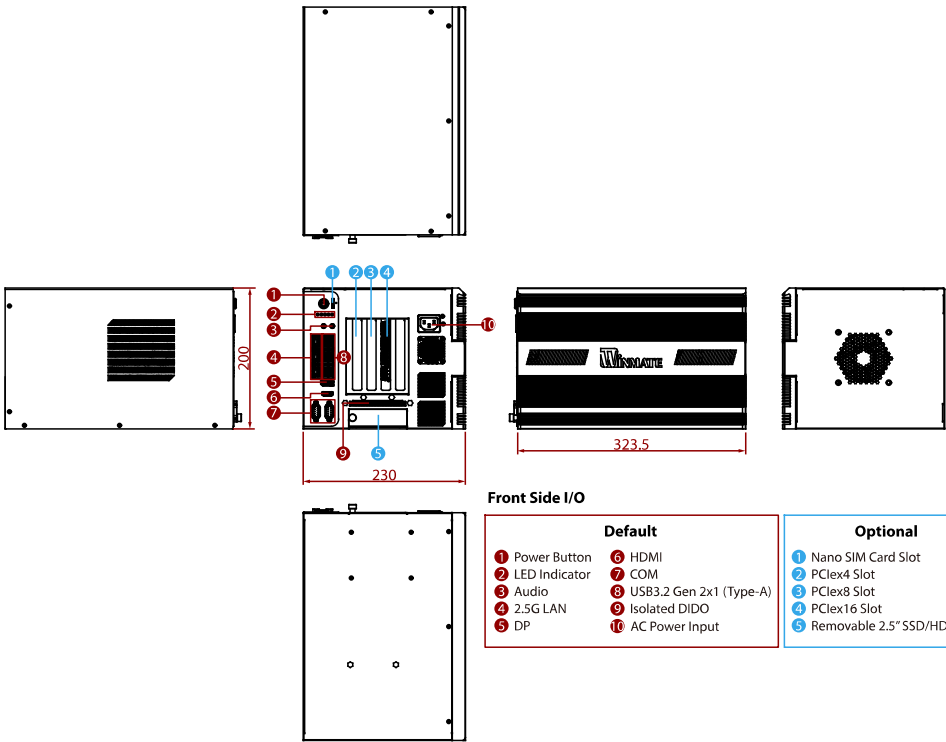
Dimension	323.5 x 230 x 200 mm	Weight	7.85kg
Mounting	Desk mount	Enclosure	Metal Housing
Cooling System	Fan Design		

Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	-20°C to 50°C
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DIMENSIONS UNIT:MM



NOTE

- 1.This is a simplified drawing and some components are not marked in detail.
- 2.Please contact our sales representative if you need further product information.
- 3.All specifications are subject to change without prior notice.
- 4.The product shown in this datasheet is a standard model.For diagrams that contain customized or optional I/ O, please contact the Winmate Sales Team for more information.