

WNAI-E800

Intel® Core™ Prozessor der 14. Generation mit NVIDIA® RTX™ GPU Industrial Edge AI
Computer



CE

FCC

KEY FEATURES

- Unterstützt Intel® Raptor Lake S Prozessor der 14. Generation (LGA 1700)
- Unterstützt eine einzelne NVIDIA RTX™ 2000 Ada/4060/4070/4000 Ada/6000 Ada GPU
- Bis zu 2 x 262pin SODIMM DDR5 5600MHz bis zu 96GB (48GB pro Slot)
- 3 x Intel 2,5-Gigabit-LAN. Optionales zusätzliches 4-Gigabit-LAN.
- Unterstützt zwei Displays, 1 x HDMI 2.0, 1 x DP 1.4a
- Unterstützt Intel® vPro
- Robustes Design, Betrieb bei -40 °C bis 60 °C (optional)

INTRODUCTION

Winmate Edge AI Computing stattet Branchen mit erweiterten AIoT-Funktionen aus, indem es leistungsstarke Prozessoren, integrierte KI-Beschleunigung und robuste Konnektivität kombiniert. Es wurde für unterschiedliche Anwendungen wie Fertigung, Gesundheitswesen und Smart Cities entwickelt und unterstützt nahtlose Cloud-Integration und KI-gestützte Analysen für Echtzeiteinblicke. Mit optionaler Unterstützung für Intel®, Hailo AI-Chips und NVIDIA-GPUs sowie KI-Inferenz mit geringer Latenz und robusten Designs bieten die Lösungen von Winmate Skalierbarkeit, Effizienz und Anpassungsfähigkeit und definieren Leistungsstandards für KI-gesteuertes industrielles IoT neu.

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	-10°C to 50°C -40°C to 60°C (Optional)
Storage Temperature	-20°C to 60°C -40°C to 70°C (Optional)		

Certification

Certification	CE, FCC
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IO Ports

Power Input	1 x 3 Pin AC Plug	USB Port	6 x USB3.2 Gen 2x1 (Type-A)
Serial Port	2 x RS232/422/485 (Default RS232)	SIM Card Slot	1 x nano SIM slot
Video	1 x DP1.4a DP++ , Max resolution up to 4096x2160@60Hz 1 x HDMI 2.0b , Max resolution up to 4096x2160@60Hz (Optional)	Audio	Mic in Line out
Expansion Port	1 x M.2 2280 M-Key Slot (for NVME SSD) 1 x M.2 2230 E-Key Slot (for Wi-Fi module) 1 x M.2 3042/3052 B-Key Slot (for WWAN module) 1 x PCIe 4.0 (x16) slot 1 x PCIe 4.0 (x4) slot 1 x PCIe 4.0 (x8) slot(Only available when PCIe x16 signal is not present) 1 x Swappable 2.5" HDD/SSD Slot (Optional)	LAN	3 x 2.5 Giga LAN RJ45 Connector
DIDO	Digital input: 8ch dry contact DI0 ~ DI7, 1.5kV Isolation Logic 1 : Open ; Logic 0 : close to GND Digital output: 8ch DO0 ~ DO7, 1.5kV Isolation, 20mA max/channel by internal com 12V or 5V		

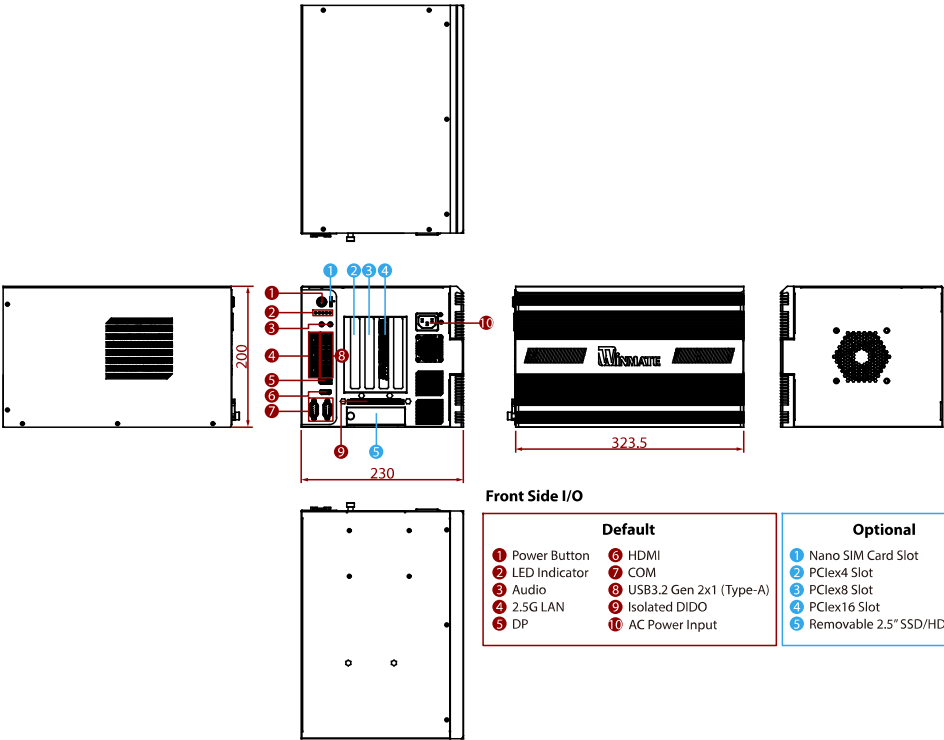
Control

Button	1 x Power Button with LED Indicator 1 x Clear CMOS Button
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Accessory

Accessory	Power Cord
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DIMENSIONS UNIT:MM



Front Side I/O	
Default	Optional
1 Power Button 2 LED Indicator 3 Audio 4 2.5G LAN 5 DP 6 HDMI 7 COM 8 USB3.2 Gen 2x1 (Type-A) 9 Isolated DIDO 10 AC Power Input	1 Nano SIM Card Slot 2 PCIe4 Slot 3 PCIe8 Slot 4 PCIe16 Slot 5 Removable 2.5" SSD/HDD Slot

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.