

WNAI-E800

Intel® 12th/ 14th Gen Core™ Processor with NVIDIA® RTX™ GPU Industrial Edge AI Computer



KEY FEATURES

- Supports Intel® 12/14th generation Alder LakeS/Raptor Lake S processor (LGA 1700)
- Supports single NVIDIA RTX™ A4000/A5000/A6000 GPU
- Up to 2 x 262pin SODIMM DDR5 4800MHz up to 64GB(32GB 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)



SPECIFICATIONS

System Specification			
Processor	Intel® Core™ i7-12700TE(up to 4.6GHz) Intel® Core™ i9-12900TE(up to 4.80GHz) (Optional) Intel® Core™ i7-14700T(up to 5.2GHz) (Optional) 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)
Ethernet controller	2 x Intel® 2.5 Gigabit Ethernet Controller	Security	TPM 2.0
Operating System	*Note: Only Windows 11 support Wake on touch Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 22.04 (Optional)	Graphic Card	NVIDIA® RTX A6000 48GB Graphic Card (Optional) NVIDIA® RTX A5500 24GB Graphic Card (Optional) NVIDIA® RTX A5000 24GB Graphic Card (Optional) NVIDIA® RTX A4500 20GB Graphic Card (Optional) NVIDIA® GeForce RTX 4060 8GB Graphic Card (Optional) NVIDIA® RTX A4000 16GB Graphic Card (Optional)
Mechanical			
Dimension	360 x 220 x 158 mm	Weight	10.4 kg
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 -40°C to 60°C (Optional)
Storage Temperature	-20°C to 60°C -40°C to 70°C (Optional)		
Certification			
Certification	CE, FCC		
IO Ports			
Power Input	1 x 3 Pin AC Plug	USB Port	4 x USB3.2 Gen 2x1 (Type-A) 4 x USB2.0 (Type-A) (Optional)
Serial Port	1 x RS232/422/485 (Default RS232) (Optional) 1 x RS232 (Optional)	Video	1 x DP1.4 1 x HDMI 2.0 (Optional)
Audio	Mic in	Expansion Port	1 x M.2 2280 M-Key Slot (for NVME SSD)

Line out

1 x M.2 2230 E-Key Slot (for Wi-Fi module)
1 x PCIe 5.0 (x16) slot

LAN
2 x 2.5 Giga LAN RJ45 Connector
4 x Giga LAN RJ45 Connector (Optional)

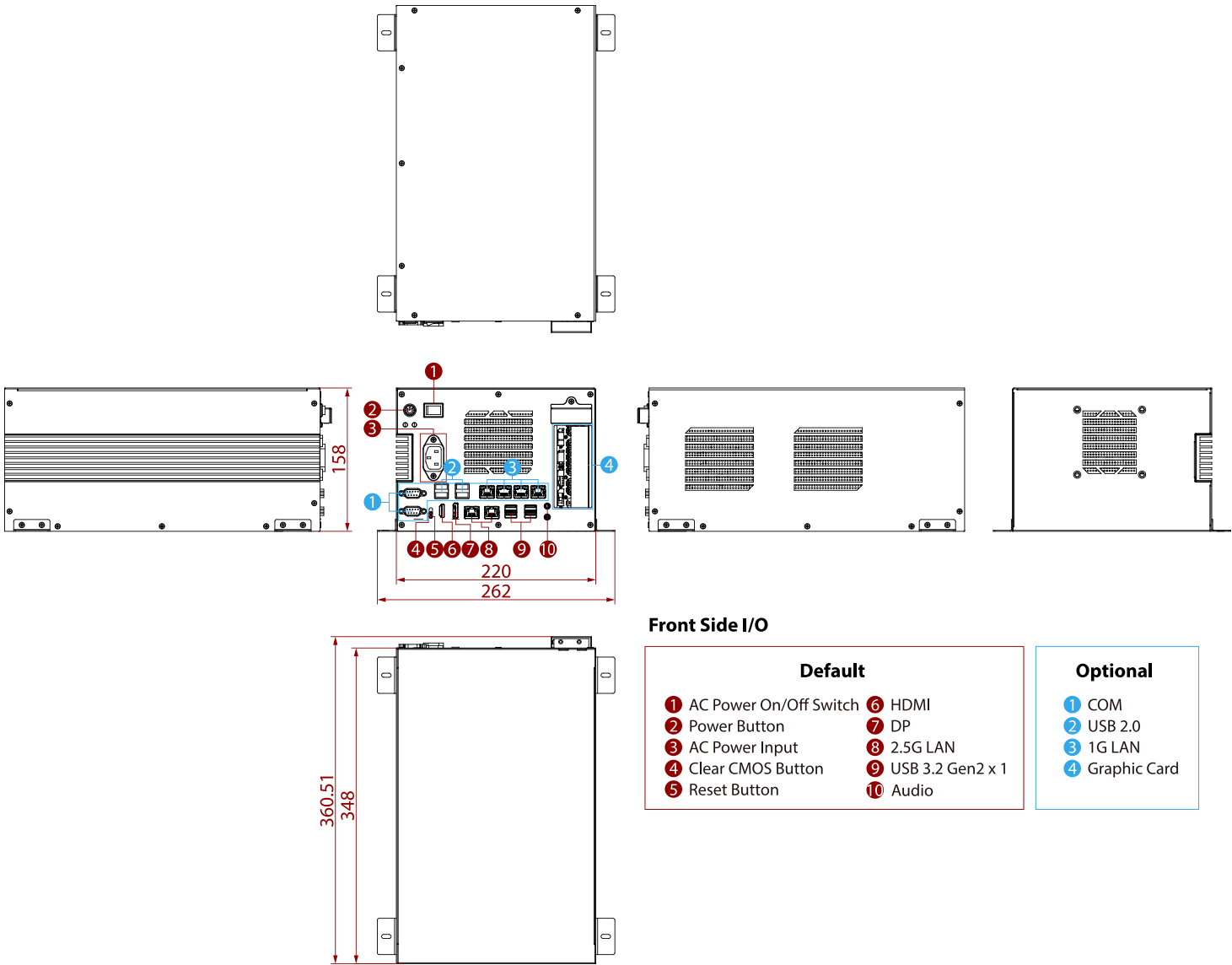
Control

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

Accessory

Accessory
Power Cord
Desk Mount Bracket

DIMENSIONS UNIT:MM



Front Side I/O

Default				Optional	
1	AC Power On/Off Switch	6	HDMI	1	COM
2	Power Button	7	DP	2	USB 2.0
3	AC Power Input	8	2.5G LAN	3	1G LAN
4	Clear CMOS Button	9	USB 3.2 Gen2 x 1	4	Graphic Card
5	Reset Button	10	Audio		

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.