



Features

- Raptor Lake processor from Intel’s 13th Generation
- Windows 11 capability
- Optional input/output additions
- PCIe slot expansions (2X or 4X) for use of up to three PCIe cards
- Includes wall mounting, or a DIN rail-compatible variant

Technical Specifications

Primary Components

Processor Family	Intel Core I series 13th Generation Raptor Lake
Processor Model	Core i3-13100TE Optional, Core i5-13500TE Optional, Core i7-13700TE Optional
Processor Speed	Up to 4.8 Ghz
Memory Type	2x DDR5 SO-DIMM
Memory Support	8GB, 16GB, 32GB, 64GB
Storage Type	1x M.2 NVME SSD Slot (2242/2280), 2x 2.5" SATA Drive Bay for SSD/HDD (easily accessible)
Storage Support	Accessible Bays Support RAID 0/1, M.2 and 2.5": 256GB - 1TB

External I/O Ports

USB	4x USB 3.2
Serial / Com	4x COM
Serial Protocol Detail	RS-232 Default/RS-422/RS-485
Ethernet / LAN	2x RJ45 2.5 GbE LAN
Video Outputs	1x DisplayPort, supports DP++, 1x HDMI
Other Ports	Optional 2x additional 2.5Gbe LAN, 2 additional USB 3.2, 8-bit GPIO
Audio Ports	1x 3.5mm Audio Line-Out, 1x 3.5mm Microphone Jack
Power Input Port	3-Pin DC-In (Phoenix Type)

Power

Input Voltage Range	9-32V DC
Standard Power Adapter	300W No Expansion slot-NO PCIe, Expansion slot 2x PCIe and 4x PCIe use 450W

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 IoT, Windows 11 Pro
Linux	Linux Ubuntu 22.04 or above (Contact your sales rep for more information)

Compatibility

Security Hardware	Supports Intel Vpro i5/i7, TPM 2.0
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Expansion Slots

Internal M.2	1x M.2 2230 Key E (for WiFi expansion option), 1x M.2 3042/3052 Key B (For 4G/5G Cellular expansion option)
Video Card Support	125W PCIe x16

Thermal & Environmental

Operating Temperature	-20°C - 60°C - -20°C - 50°C (-4°F – 140°F (i3/i5 CPU), -4°F – 122°F (i7 CPU))
Storage Temperature	-40°C - 85°C (-40°F – 185°F)
Cooling Solution	Passive – Fanless with Heatsink
Storage Humidity	10% – 90% Non-condensing

Enclosure

Material	Aluminum, SECC Steel Chassis
Color	Black
Led Indicator Light	Power
Control Buttons	Power Button
Mounting Options	DIN Rail Mount, Wall Mount

Peripherals & Wireless Connectivity

WiFi	Optional WiFi A/B/G/N/AC/AX -6 via M.2 E-Key slot
Bluetooth	Optional Bluetooth 5.3
Sim Card	1x Nano SIM Card Slot

Weight / Dimensions

Weight	3.9 kg (8.6 lbs)
Dimensions	222 x 190 x 93 mm (8.7 x 7.5 x 3.7 in)

Certification

Certifications	FCC and CE Compliant
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Warranty

Warranty

Up to 5 Years

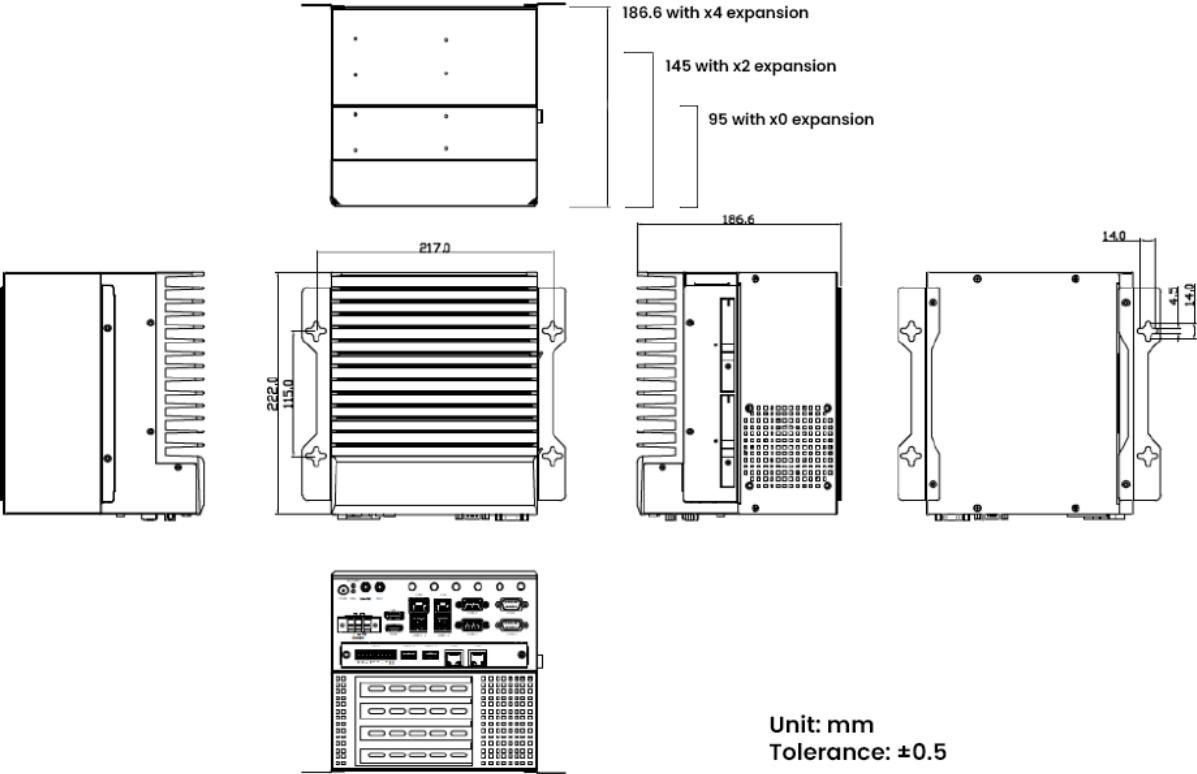
I/O Diagram Images



A. Audio Line-Out
B. Microphone
C. DC Input 9~32V
D. DisplayPort
E. HDMI

F. 2x LAN
G. 4x USB 3.2
H. 4x COM

Tech Diagram Images



All specifications are subject to change without notice.