



Features:

- 6-core NVIDIA® Carmel Arm® v8.2 64-bit Processor
- 384-core NVIDIA® Volta™ GPU with 48 Tensor Cores
- Fanless system
- 8 x GbE LAN Ports with PoE 15W/Port
- 2 x GbE LAN Ports
- AI, NVR, Surveillance Applications

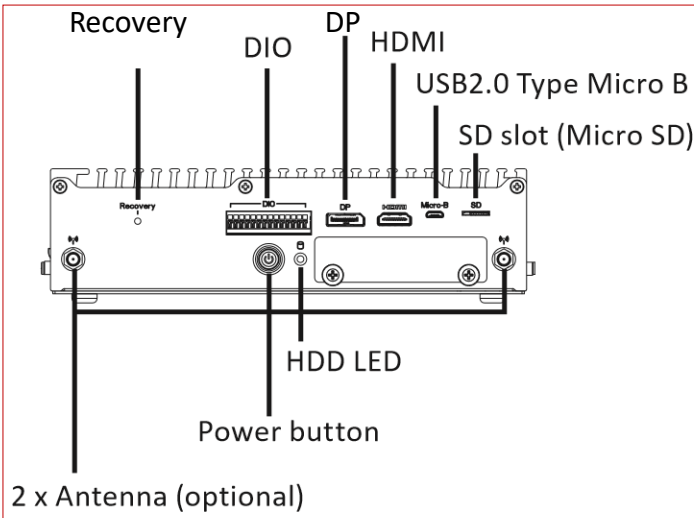


Fanless Design

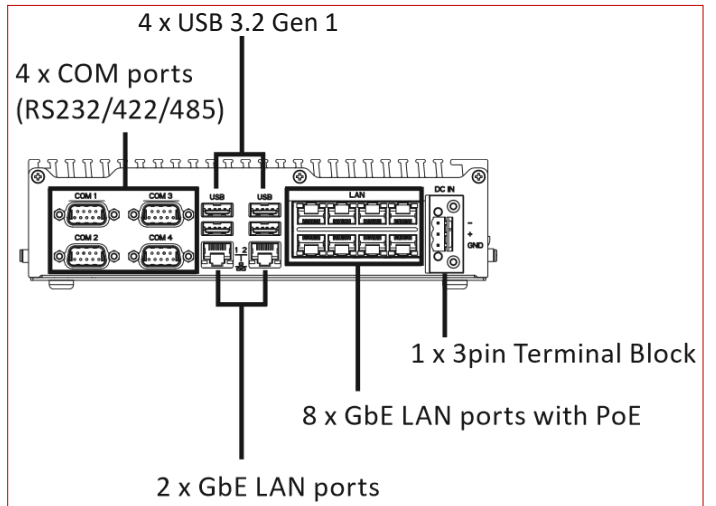


Primary Component	Description	
CPU	6-core NVIDIA® Carmel Arm® v8.2 64-bit CPU, 6MB L2 cache + 4MB L3 cache	
Memory	• 8GB pre-installed , 8GB 128-bit LPDDR4 DRAM 1600MHz (Module)	
Ethernet	• 8x GbE LAN Ports with PoE 15W/Port, IEEE802.3af compliant, Total 120W • 2x GbE LAN Ports	
Wireless	• Optional (Intel 8265NGW)	
Display support	384-core NVIDIA® Volta™ GPU with 48 Tensor Cores 1x HDMI port, supporting a maximum resolution of 3840x2160 @60Hz 1x DP port, supporting a maximum resolution of 4096x2160 @60Hz	
Audio	Realtek ALC269 High Definition Audio	
Storage	• 16 GB eMMC pre-installed , 1x 16GB eMMC 5.1 (Module) • 1x SATA 6Gb/s Port (Swappable 2.5" HDD/SSD)	
Expansion Slots	• 1x M.2 3052 B-Key • 1x Mini PCIe slot	• 1x M.2 2230 E-Key • 1x SIM slot
Front I/O*	• 1x Power button with LED • 1x HDD LED • 1x GPIO (8 bits) • 1x DP • 1x HDMI	• 1x USB 2.0 Type Micro B • 1x SD slot (Micro SD) • 1x Recovery button • 2x External Antenna Holes (Optional)
Side I/O	• 4x External Antenna Holes (Optional)	
Rear I/O*	• 4x COM Ports (RS-232/422/485) • 4x USB 3.2 Gen 1 • 8x GbE LAN Ports with PoE 15W/Port	• 2x GbE LAN Ports • 1x 3-pin Terminal Blcok
Power	• +12V~54VDC (non PoE) • +54VDC (PoE support)	
Operating Environment	Operating: • Temperature: -20°C to 70°C • Humidity: 0-90% (non-condensing)	Non-operating: • Temperature: -40°C to 85°C • Humidity: 0%-95% (non-condensing)
Vibration Test	Operating: IEC 60068-2-64, 5 Grms, random, 5 ~ 500 Hz, 1 hr / Per Axis, With SSD	Non-operating: IEC 60068-2-6, 2 G, Sine, 10 ~ 500 Hz, 1 Oct/min, 1 hr / Per Axis
Shock Test	Operating: IEC 60068-2-27, 50 G, half sine, 11 ms duration, With SSD	
Dimension	210Wx 169.8Dx 55.2H mm / 8.27"Wx 6.69"Dx 2.18"H	

Front I/O's



Rear I/O's



Dimensions

unit: mm

