

MP2-10MTS

Fanless Embedded System
with Intel® Meteor Lake-U Processor

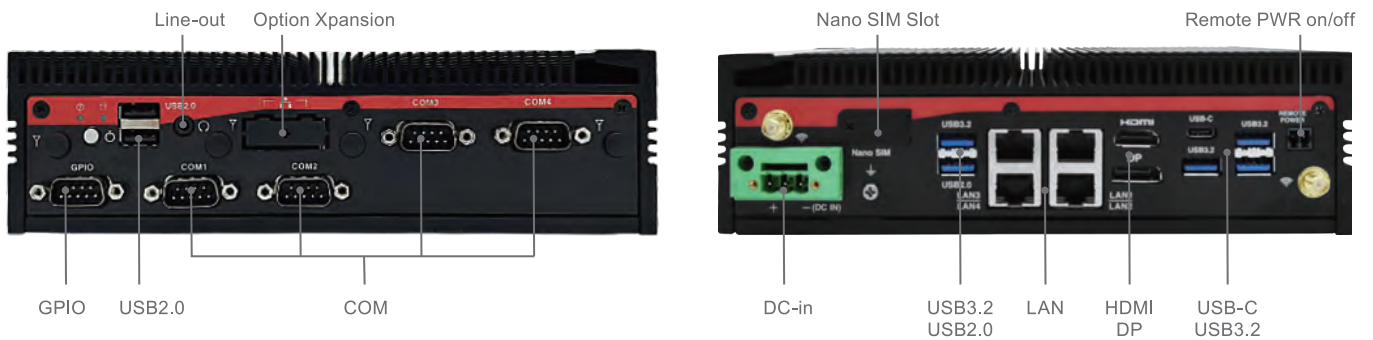
Introduction

- Intel® Meteor Lake U Core™ Ultra 7 155U / Ultra 5 125U processors
- Outstanding graphic computing capability with Integrated 4 x Intel® Iris Xe graphics
- 1 x DDR5 SO-DIMM and support up to 48GB
- Supports Dual display for HDMI, and DisplayPort
- 1 x 2.5" SSD/HDD slot
- 4 x Intel® i226-LM 2.5G LAN
(Supports TSN; Option: additional 2 x i210-IT LAN)
- 3 x USB 2.0, 4 x USB 3.2 Gen2, 1 x USB Type C, and 4 x COM
- 8V~26V wide voltage power input
- Supports Hailo-8™ AI Accelerator (BTO), up to 26 TOPs

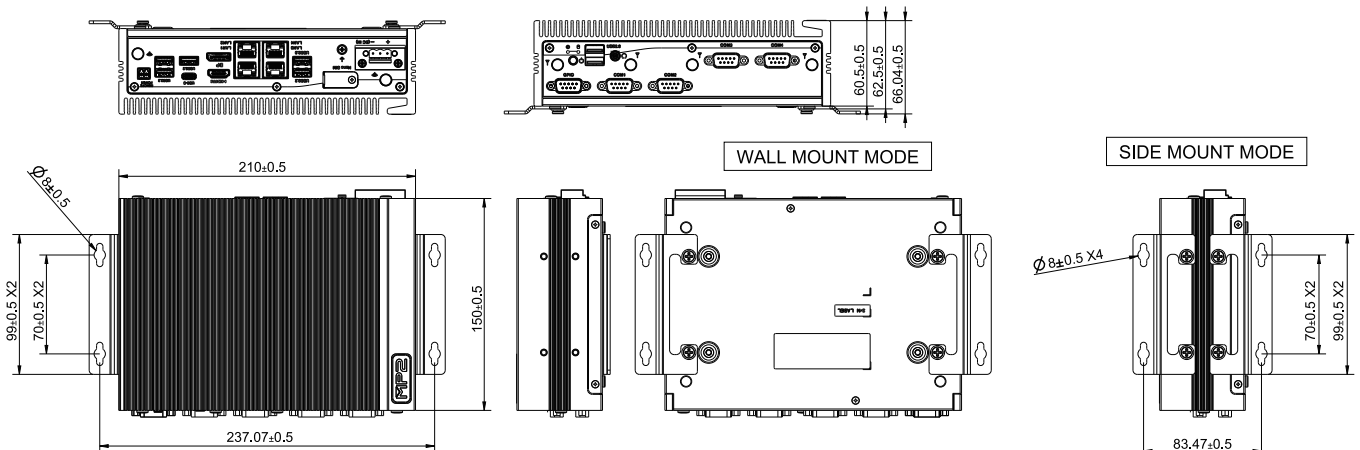


USB3.2	Fanless Design	M.2 Support	2.5G LAN
			4 COM port
			8V~26V DC-in Wide Range DC-in

I/O Interface



Dimension (mm)



MP2-10MTS Fanless Embedded System

SYSTEM			
CPU	Intel® Meteor Lake U Core™ Ultra 7 155U / Ultra 5 125U Processor		
Chipset	Intel® SoC Integrated		
System Memory	DDR5 4800 MHz / 1 x 262-pin SO-DIMM / Max. 48GB (Non-ECC)		
Graphics	Intel® Iris Xe Graphics		
Display Interface	DisplayPort 1.2 / HDMI 1.4		
Storage Slot	1 x 2.5" HDD/SSD bracket		
	1 x M.2 B Key 2242 SATA SSD Slot		
	1 x M.2 M Key 2280 NVMe/SATA SSD Slot		
Ethernet	4 x Intel® I226-LM 2.5G LAN (Optional PoE Module) / Additional 2 x Intel® I210-IT Giga LAN for Options		
Audio	Realtek® ALC888S		
I/O Chipset	Nuvoton NCT6126D		
TPM	Nuvoton NPCT760AABYX TPM2.0		
Expansion Slot	Storage/LTE/5G Slot: 1 x M.2 2242/3042/3052 B Key (USB2.0/PCIeX1/SATAIII)		
	Storage: 1x M.2 2280 M key (PCIe4.0 X4, SATAIII) Wireless: 1 x M.2 2230 E key (PCIeX1, USB2.0)		
Internal Speaker	1 x Buzzer		
Indicator	Power Button / Power LED / HDD LED		
Front I/O	1 x RS232 / 422 / 485	8-bit GPIO in DB9 type	1 x Line-out
	3 x RS232	2 x USB 2.0	2 x SMA Antenna hole with rubber cap
Rear I/O	4 x USB 3.2 Gen 2 (10 Gbps)		
	1 x USB Type C (Support PD15W, 5V/3A, DP Alt mode, USB3.2 Gen1)		
	1 x USB 2.0 (integrated in the same blue type connector)		
	4 x RJ-45		
	1 x HDMI 1.4		
	1 x DisplayPort 1.2		
	1 x Nano SIM slot with cover		
	1 x 2-pin Terminal Block Remote Power on / off		
Hardware Monitor	1 x 3-pin Terminal Block Power Input		
	2 x SMA Antenna hole with rubber cap		
Watchdog Timer	Temperature Monitor, Voltage Monitor		
	1~255 steps by software program		
POWER REQUIREMENT			
Power Input	8~26V Wide Range DC Input w/ Terminal Block Connectivity		
Power Adapter	Optional 24V/3A, 72W AC adapter (For AC SKU)		
	Optional 24V/5A, 120W AC adapter (Recommended with PoE Xpansion)		
MECHANICAL			
Thermal Design	Fanless		
Mounting	Wallmount 75 mm x 75 mm VESA Holes & Din Rail Mount + Transfer Plate Combo Kit (Optional)		
Dimensions (W X D X H)	8.3" x 5.9" x 2.5" (210 x 150 x 63 mm)		
Weight	2.1kg (4.6 lb)		
Material	Top cover: Aluminum Alloy / Bezel and chassis: Steel		
ENVIRONMENTAL			
Operating Temperature	-40°C to 60°C, with 0.7m/s Air Flow and Wide Temperature Memory & Storage		
Storage Temperature	-40 ~ 85°C (-40 ~ 185°F)		
Operating Humidity	10% ~ 95% R/H (Non-condensing)		
Vibration Resistance	Operating: 5Hz~500Hz / 2Grms / 3Axis (w/ SSD, according to IEC60068-2-64)		
Shock Resistance	Operating: 50 Grms, Half-sine 11 ms Duration (w/ SSD, according to IEC60068-2-27)		
Certification	CE / FCC Class A / LVD CoC: EN62368-1		
OS			
OS Support	Windows® 11 64bit, Windows® 10 64-bit, Linux (support by request)		

Ordering Information

Model Number	Processor	AC Adaptor	Model Number	Processor	AC Adaptor
MP2-10MTS-125U	Core Ultra 5 125U	None	MP2-10MTS-155U	Core Ultra 7 155U	None
MP2-10MTS-125U-AC	Core Ultra 5 125U	72W AC to DC Adaptor	MP2-10MTS-155U-AC	Core Ultra 7 155U	72W AC to DC Adaptor

Packing List

Packing		
• 1 x Embedded System	• 1 x Quick Installation Guide	• 1 x 2 pin Terminal Block Male Connector
• 1 x 3 pin Terminal Block Power Connector	• 1 x Wall Mount Brackets	• 1 x AC Adaptor + US & EU Power Cord (for AC SKU only)

Rugged

Fanless

Fanned

Rackmount