

EAI-I500M

AI Inference System with MemryX MX3 M.2 AI Accelerator Module



Specifications

Platform

CPU	Intel® Core™ Ultra 7 165H (Meteor Lake-H)
Frequency	1.4GHz
Core Number	16
Chipset	SoC
BIOS	AMI SPI Flash BIOS
AI Accelerator	MemryX MX3 M.2 module

System Memory

Technology	2x DDR5 5600 16GB, non ECC SODIMM
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Ethernet

Controller	Intel® i226LM/i210AT
Interface	3x 2.5GbE RJ45, 1x GbE RJ45

I/O Interface

Reset Button	1
Serial	2x DB9 RS232/422/485 (Console only supported on the COM1)
Display	2x DP1.2 Port (Intel® Arc™ GPU / Intel® Graphics)
USB	1x USB 2.0 type A, 1x USB 3.0 type A, 2x USB 3.2 type A
DIO	4x DI & 4x DO
Power Button	1x Power on/off Button 1x 2-pin terminal block (cabling control)
Audio	ALC888 1x Mic-in, 1x Line-out
Antenna	6x SMA Antenna for Wifi/ LTE/ 5G modules

Storage

HDD/SSD Support	2x 2.5" SATA SSD
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Expansion

M.2	1x M.2 E-key 2230 for WiFi 6/6E 1x M.2 B-key 3042/3052 for LTE/5G 1x M.2 M-key 2280 PCIe Gen3 x4 NVMe
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Features

- Intel® Core™ Ultra 7 165H (Meteor Lake-H)
- Pre-installed MemryX MX3 M.2 AI Accelerator Module
- 3x 2.5GbE RJ45 & 1x GbE RJ45, 2x COM Ports, 4x USB Ports
- 2x DP1.2 Port, 4x DI & 4x DO
- 1x M.2 2230 E-Key for WiFi 6/6E, 1x M.2 3042/3052 B-Key for LTE/5G, 1x SIM Slot
- TPM 2.0 onboard, Operating Temperature 0°C~40°C, UL/CB 62368-1 compliant

SIM Card Slot	1x Nano-SIM, 1x eSIM
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Miscellaneous

Watchdog	Yes
Internal RTC with Li Battery	Yes
TPM	Onboard TPM 2.0

Cooling

Processor	By chassis
System	Fanless

Environmental Parameters

Temperature	0°C~40°C
Humidity (RH)	5~90% Operating 5~95% Non-Operating, non-condensing

System Dimensions

WxDxH	287 x 180 x 76 mm
Package Dimension (WxDxH)	370 x 391 x 351 mm
Weight	2.4 kg
Mounting	Wall mount, VESA(optional)

Power

Type/Watts	120W
Input	2-pins Terminal Block(Phoenix) for +24VDC power input by AC/DC adapter

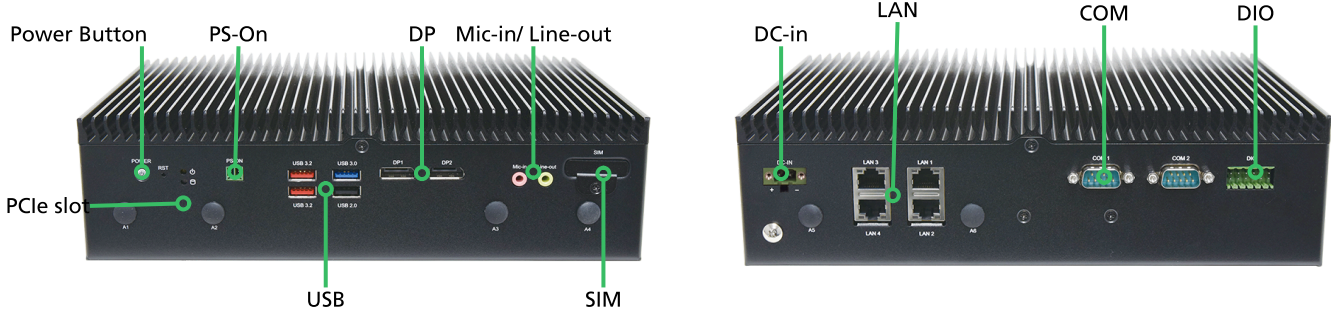
OS Support

Linux	Ubuntu 24.04
Windows	Windows10 & 11
Security Boot	BIOS boot loader protected OS protected Support PXE/USB boot and/or HTTP(s) boot with UEFI BIOS

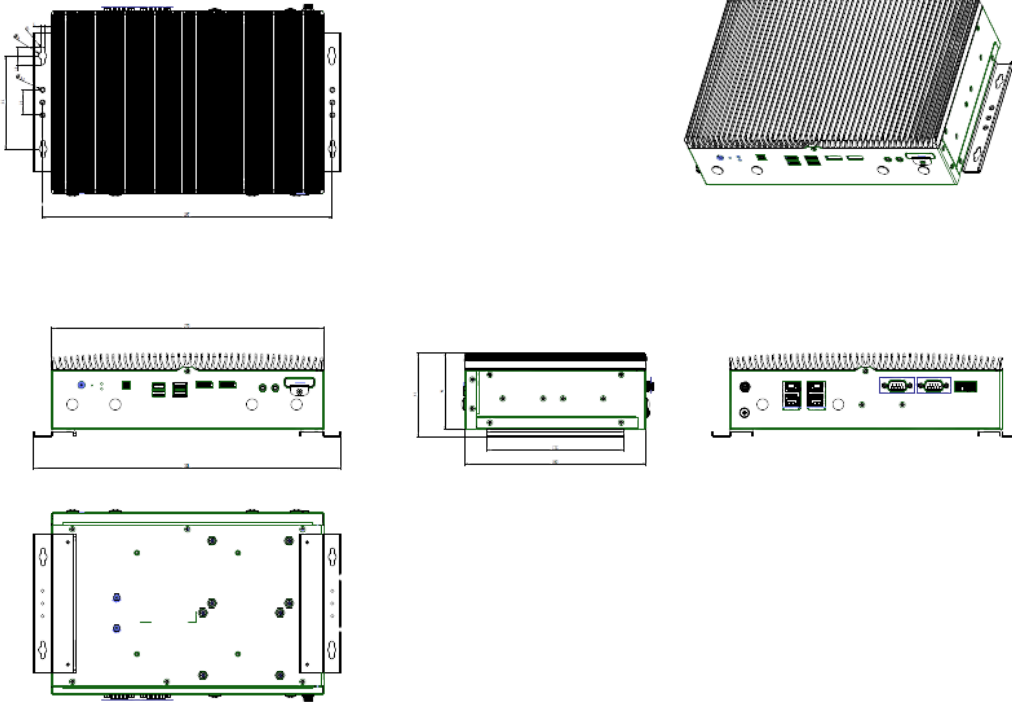
Certification

EMC	CE/UKCA, Class A, RoHS, UL/CB 62368-1
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Product I/O View



Dimensions (WxDxH): 287 x 180 x 76 mm



Ordering Information

SKU	CPU	Memory	Ethernet	I/O	Storage	NPU
EAI-I500M	Intel® Core™ Ultra 7 165H (Meteor Lake-H)	32GB DDR5 RAM	3x 2.5GbE RJ45 1x GbE RJ45	2x DB9 COM 2x DP 1.2 4x USB 4x DIO Mic-in & Line-out	500GB SSD	pre-installed MemryX MX3 M.2 AI Accelerator module