

EAI-1500

AI Inference System for Retails Applications
with Intel® Core™ Ultra 7/5 CPU
(Meteor Lake-H/U)



■ Features

- Intel® Core™ Ultra Processor (Meteor Lake-H/U)
- 2x DDR5 5600 non-ECC SODIMM, up to 96GB/48GB
- 3x 2.5GbE RJ45 & 1x GbE RJ45, 2x COM Ports, 4x USB Ports
- 2x DP1.2 Port, 4x DI & DO
- 1x M.2 2230 E-Key for WiFi 6/6E, 1x M.2 3042/3052 B-Key for LTE/5G, 2x SIM Slots
- TPM 2.0 onboard, Operating Temperature 0°C~40°C, UL/CB 62368-1 compliant

■ Specifications

Processor System

CPU	Intel® Core™ Ultra 7/5 Processor (Meteor Lake-H/U)
Frequency	1.4GHz ~ 1.7GHz (by SKU)
Core Number	14/12/10
BIOS	AMI SPI Flash BIOS
Chipset	SoC

Memory

Technology	2x DDR5 5600, non-ECC SODIMM
Max. Capacity	96GB/48GB

Graphic

Controller	Intel® UHD Graphics
Display	2x DP1.2 Port

Audio

Type	ALC888
Interface	1x Mic-in, 1x Line-out

Ethernet

Controller	Intel® i226LM/i210AT
Speed	10/100/1000/2500 Mbps 10/100/1000 Mbps
Interface	3x 2.5GbE RJ45 1x GbE RJ45

Storage

Type	SATAIII
Installation	2x 2.5" SATA Drive Bay for SSD/HDD

I/O

Serial Port	2x DB9 RS232/422/485 (only supported on COM1)
Digital I/O	4x DI & 4x DO
USB	1x USB 2.0 Type A 1x USB 3.0 Type A 2x USB 3.2 Type A
Antenna	6 x SMA Antenna holes for Wifi/LTE/5G modules
Power/Reset Button	1x Power on/off Button 1x 2-pin terminal block for cabling control power on/off 1x Reset Button
LED	Power/Status

Expansion Interface

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

Miscellaneous

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

Power

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

Environment

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

Mechanical

Dimension (W x H x D)	287 x 76 x 180 mm
Weight	2.4 kg
Form Factor	Fanless, Wall mount, VESA(optional)

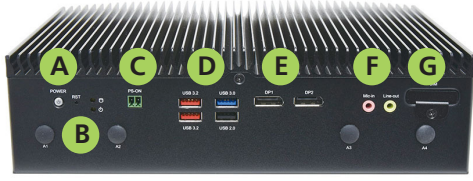
Driver Support

Microsoft Windows	Windows 10, Windows 11, Linux Ubuntu
Security Boot	BIOS boot loader protected OS protected Support PXE/USB boot and/or HTTP(s) boot with UEFI BIOS

Certification

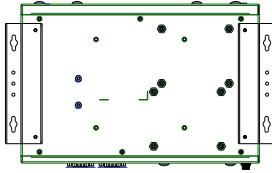
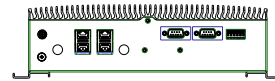
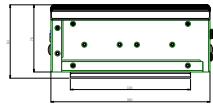
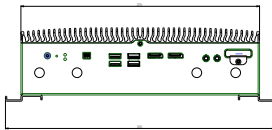
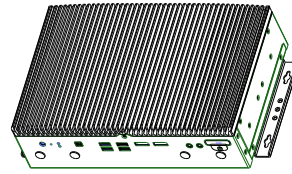
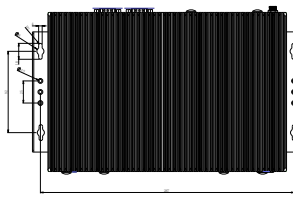
EMC	CE/UKCA, Class A, RoHS, UL/CB 62368-1
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Product I/O View



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|-----------------------|--------------------------|------------------------|--------------|
| A Power On/Off | D USB | G SIM Card slot | J COM |
| B Reset | E DP | H DC-in | K DIO |
| C PS-On | F MIC-in/LINE-out | I LAN | |

Dimensions (W x H x D) 287 x 76 x 180 mm



Ordering Information

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|------------------|---|
| EAI-I500A | Intel® Core™ Ultra 7 processor (Meteor Lake-H), 2x DDR5 5600, non-ECC SODIMM up to 96GB memory, 4x Ethernet ports, 2x COM ports, 2x 2.5" SATA Drive Bay, 1x M.2 NVMe, 4x USB ports, 2x DP1.2 port, 4x DI & DO, 1x M.2 2230 E-Key for WiFi 6/6E, 1x M.2 3042/3052 B-Key for LTE/5G |
| EAI-I500B | Intel® Core™ Ultra 5 processor (Meteor Lake-H), 2x DDR5 5600, non-ECC SODIMM up to 96GB memory, 4x Ethernet ports, 2x COM ports, 2x 2.5" SATA Drive Bay, 1x M.2 NVMe, 4x USB ports, 2x DP1.2 port, 4x DI & DO, 1x M.2 2230 E-Key for WiFi 6/6E, 1x M.2 3042/3052B-Key for LTE/5G |
| EAI-I500C | Intel® Core™ Ultra 7 processor (Meteor Lake-U), 2x DDR5 5600, non-ECC SODIMM up to 48GB memory, 4x Ethernet ports, 2x COM ports, 2x 2.5" SATA Drive Bay, 1x M.2 NVMe, 4x USB ports, 2x DP1.2 port, 4x DI & DO, 1x M.2 2230 E-Key for WiFi 6/6E, 1x M.2 3042/3052 B-Key for LTE/5G |
| EAI-I500D | Intel® Core™ Ultra 5 processor (Meteor Lake-U), 2x DDR5 5600, non-ECC SODIMM up to 48GB memory, 4x Ethernet ports, 2x COM ports, 2x 2.5" SATA Drive Bay, 1x M.2 NVMe, 4x USB ports, 2x DP1.2 port, 4x DI & DO, 1x M.2 2230 E-Key for WiFi 6/6E, 1x M.2 3042/3052 B-Key for LTE/5G |

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