

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, 1x SIM Slots
- TPM 2.0 onboard, Operating Temperature 0°C~40°C, UL/CB 62368-1 compliant
- Hailo-8™ AI Accelerator Design Reserved

■ 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® Arc™ GPU / Intel® 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 SSD

I/O

Serial Port	2x DB9 RS232/422/485 (Console 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 D x H)	287 x 180 x 76 mm
Weight	2.4 kg
Form Factor	Fanless, Wall mount, VESA(optional)

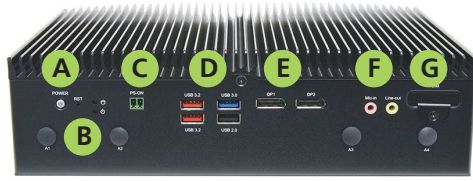
Driver Support

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

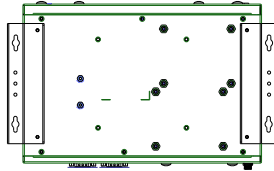
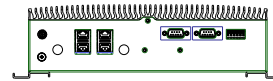
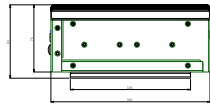
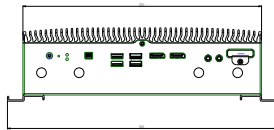
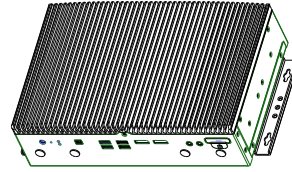
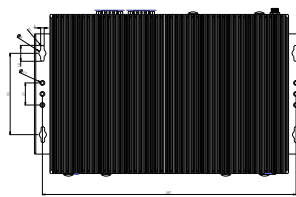
EMC	CE/UKCA, Class A, RoHS, UL/CB 62368-1
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■ Product I/O View



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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 D x H) 287 x 180 x 76 mm



■ Ordering Information

EAI-I500A	Intel® Core™ Ultra 7 processor 165H (Meteor Lake-H), 2x DDR5 non-ECC SODIMM up to 96GB, 1x GbE RJ-45 LAN, 3x 2.5GbE RJ-45 LAN, 2x DB9 COM ports, 4x USB ports, 2x DP1.2 ports, 4x DI & 4x DO, 2x 2.5" SATA SSD slot, 1x M.2 NVMe slot, 1x M.2 2230 slot for WiFi 6/6E, 1x M.2 3042/3052 slot for LTE/5G, 120W Adapter included
EAI-I500B	Intel® Core™ Ultra 5 processor 135H (Meteor Lake-H), 2x DDR5 non-ECC SODIMM up to 96GB, 1x GbE RJ-45 LAN, 3x 2.5GbE RJ-45 LAN, 2x DB9 COM ports, 4x USB ports, 2x DP1.2 ports, 4x DI & 4x DO, 2x 2.5" SATA SSD slot, 1x M.2 NVMe slot, 1x M.2 2230 slot for WiFi 6/6E, 1x M.2 3042/3052 slot for LTE/5G, 120W Adapter included
EAI-I500C	Intel® Core™ Ultra 7 processor 165U (Meteor Lake-U), 2x DDR5 non-ECC SODIMM up to 96GB, 1x GbE RJ-45 LAN, 3x 2.5GbE RJ-45 LAN, 2x DB9 COM ports, 4x USB ports, 2x DP1.2 ports, 4x DI & 4x DO, 2x 2.5" SATA SSD slot, 1x M.2 NVMe slot, 1x M.2 2230 slot for WiFi 6/6E, 1x M.2 3042/3052 slot for LTE/5G, 120W Adapter included
EAI-I500D	Intel® Core™ Ultra 5 processor 135U (Meteor Lake-U), 2x DDR5 non-ECC SODIMM up to 96GB, 1x GbE RJ-45 LAN, 3x 2.5GbE RJ-45 LAN, 2x DB9 COM ports, 4x USB ports, 2x DP1.2 ports, 4x DI & 4x DO, 2x 2.5" SATA SSD slot, 1x M.2 NVMe slot, 1x M.2 2230 slot for WiFi 6/6E, 1x M.2 3042/3052 slot for LTE/5G, 120W Adapter included

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