



Features

- Intel® Core™ Ultra Processor (Meteor Lake-H/U)
- 2x DDR5 5600 non-ECC SODIMM, up to 96GB/48GB
- 1x Hailo H8 AI Accelerator onboard
- 3x 2.5GbE RJ45 & 1x GbE RJ45 (optional OOB), 2x COM Ports, 4x USB Ports
- 1x 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, 2x SIM Slots
- TPM 2.0 onboard, Operating Temperature 0°C~40°C, UL/CB 62368-1 compliant

Preliminary Specifications

Processor System

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

AI Accelerator

Chip	1x Hailo H8 onboard
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Memory

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

Graphic

Controller	Intel® UHD Graphics
Display	1x DP1.2 Port

Audio

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

LOM

Type	OOB onboard (optional)
Interface	1x GbE RJ45 share with LAN i210

Ethernet

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

Storage

Type	SATAIII
Installation	2x 2.5" SATA Drive Bay for SSD/HDD 1x M.2 M-key 2280 PCIe Gen3 x4 NVMe

I/O

Serial Port	2x DB9 RS232/422/485 (one option for OOB)
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
PCIe	1x Golden finger (PCIe Gen3 x8) for optional riser card (by SKU)
M.2	1x M.2 2230 E-Key for WiFi 6/6E 1x M.2 3042/3052 B-Key for LTE/5G

Miscellaneous

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

Power

Power Supply Type/Watts	120W
Connector	1x DC-Jack with lock for +24VDC power input by AC/DC adapter (No Adapter included in the system)

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	TBD
Form Factor	Fanless, Wall mount, VESA(optional)

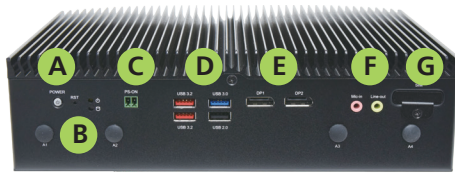
Driver Support

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

Certification

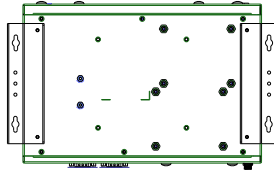
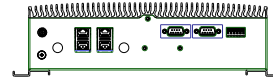
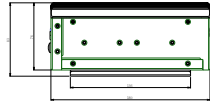
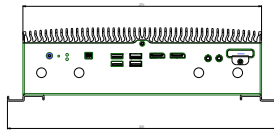
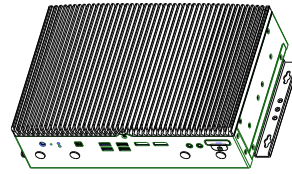
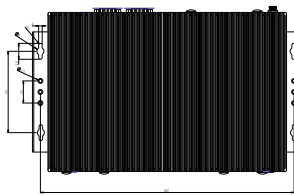
EMC	CE/UKCA, Class A, RoHS, UL/CB 62368-1
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■ Product I/O View



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|-----------------------|--------------------------|------------------------|--------------|
| A Power On/Off | D USB | G SIM Card slot | J COM |
| B Reset | E DP | H DC jack | 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

EAI-I500A	Intel® Core™ Ultra 7 processor (Meteor Lake-H), 2x DDR5 5600, non-ECC SODIMM up to 96GB memory, 4x Ethernet ports (1x OOB optional), 2x COM ports, 2x 2.5" SATA Drive Bay, 1x M.2 NVMe, 4x USB ports, 1x 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
EAI-I500B	Intel® Core™ Ultra 5 processor (Meteor Lake-H), 2x DDR5 5600, non-ECC SODIMM up to 96GB memory, 4x Ethernet ports (1x OOB optional), 2x COM ports, 2x 2.5" SATA Drive Bay, 1x M.2 NVMe, 4x USB ports, 1x DP1.2 port, 4x DI & 4x DO, 1x M.22230 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 (1x OOB optional), 2x COM ports, 2x 2.5" SATA Drive Bay, 1x M.2 NVMe, 4x USB ports, 1x DP1.2 port, 4x DI & 4x DO, 1x M.22230 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 (1x OOB optional), 2x COM ports, 2x 2.5" SATA Drive Bay, 1x M.2 NVMe, 4x USB ports, 1x 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

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EAI-I500