

# AI Inference MegaEdge

## M.2 Series AIP-CR68-A1



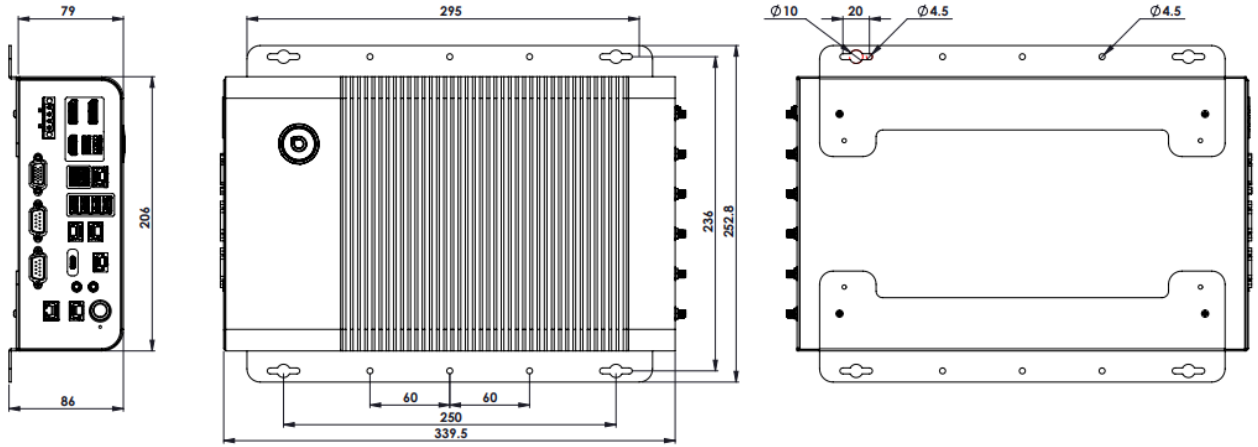
### Features

- Powered by Intel 12/13th Gen Core™ i9/i7/i5 processors, TDP up to 35W
- Build in Hailo AI accelerator for Edge AI inference
- Optional PSE support Dual IP Camera for image capture
- Support out-of-band (OOB) management for remote maintenance of edge devices

### Specifications

Model Number	AIP-CR68-A1
CPU	12/13 <sup>th</sup> Gen. Intel® Core™ i9/i7/i5 Processor up to 35W
Graphics	Intel® UHD Graphics 770
Chipset	Intel® R680E Chipset
System Memory	4 x DDR5 288-pin U-DIMM up to 128G
Storage	1 x 2.5" SATAIII SSD 1 x M.2 M-Key Slot, Support PCIe Gen4 x4 for NVME/SATA, Size 2280 1 x M.2 M-Key Slot, Support PCIe Gen4 x4 for NVME, Size 2280 (NVMe Gen 4 available to support dual M.2 AI accelerator)
USB	8 x USB 3.2 Gen2 x 1 (Type-A) 1 x USB 3.2 Gen2 x 2 (Type-C)
LAN	3 x 2.5G RJ-45 Ethernet (I226-LM, LAN2/LAN3 optional with 803.2at PSE up to 30W/ch) 1 x 10G BASE-T RJ-45 (Marvell AQC113)
Serial port	1 x RS-485 (COM3, RJ45) 2 x RS-232/422/485 (COM1/2, Default RS-232)
Display out	1 x HDMI 2.0 2 x DP++ 1.4 (VGA optional / GPIO either one)
Expansion Slots	1x M.2 E-Key 2230 (USB2.0/PCIe) 1x M.2 B-Key 3052(USB2.0/USB3.2)
SIM Slot	1 x Nano SIM slot
GPIO	8 x bits GPIO
Audio	1 x Line-out, 1 x Mic-in
Button	1 x Power button 1 x AI button
MISC. Function	OOB (out of band), Built-in Innodisk – InnoAgent
Power Consumption	Full loading: up to 260 Watts
Power Input /Connector	DC-in 12~48V (12VDC@130W) , 4-pin Terminal Block
Dimension (Wx Dx H)	340 x 86 x 253 mm
Mounting	Wall mount / Desk mount
Net Weight	5 kg
Vibration	2 Grms ,IEC60068-2-64,Random,5 ~ 500 Hz ,1Hr / Axis(Operation, w/SSD)
Shock	10G, IEC 60068-2-27, Half Sine, 11 ms Duration(Operation, w/SSD)
Temperature	Operating Temp.:0°C ~ + 50°C )(32°F ~ 122°F) Storage Temp.: -40°C ~ + 85°C (- 40°F ~185°F)
Humidity	95% @ 40°C Related Humidity, Non-condensing
OS Support	Windows 10 IOT LTSC / Windows 11 / Linux Ubuntu 20.04/22.04
Security	TPM 2.0
Certification	CE / FCC Class A / UKCA / LVD / RoHS

## System & Mounting Dimension



## I/O Layout



## Ordering Information

Model name	Description
AIP-CR68-A1	AIP-CR68-A1 Bare system (w/o CPU, RAM, SSD, AI card, power adapter)

## Accessory (Optional)

Model	Part No.	Description
MW:GST280A24-ECH	53-0FG280-2400	85~264V 280W 24V 11.67A -30~70°C
HAILO-8 AI ACCELERATION MODULE(HAILO:HM218B1C2FAE)	61-0MHA18-0000	M.2 2280 KEY M GEN3.0*4 8.65W 26TOPS -40~85°C