AI Inference MegaEdge

M.2 Series
AIP-MURE3/5/7-A1



Features

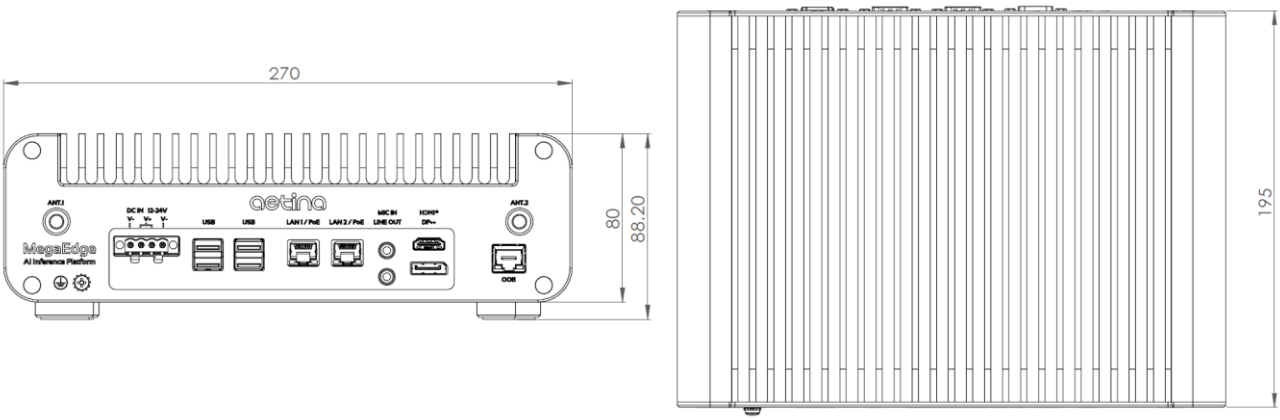
- Feature with 3x M.2 M-key for AI Accelerator cards, boosting extreme AI Inference performance.
- Fanless & rugged chassis for harsh environment.
- Dual PSE support IP Camera for real time video streaming.
- Support out-of-band (OOB) management tool for remote maintenance of edge AI system.

Specifications

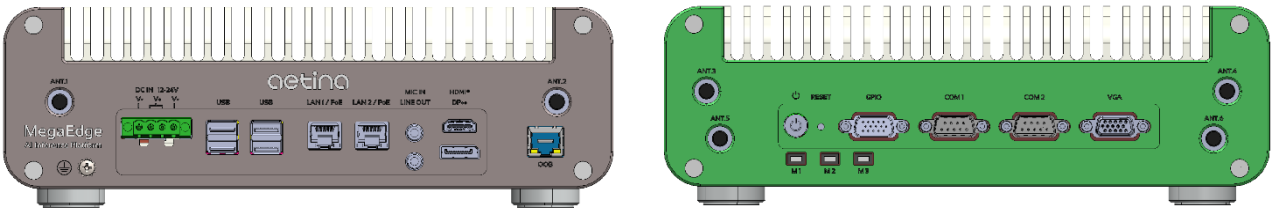
Model Number	AIP-MURE7	AIP-MURE5	AIP-MURE3
CPU	i7-1365URE	i5-1345URE	i3-1315URE
Graphics	Intel® Iris® Xe Graphics eligible		Intel® UHD Graphics
Chipset	SoC		
System Memory	2 x DDR5 5200MT/s SO-DIMM Slot up to 96G (48G per SO-DIMM) 1R1D/1R2D support 5200MT/s 2R1D/2R2D support 4800MT/s		
Storage	1 x 2.5“ SATAIII SSD Tray		
USB	2 x USB3.2 Gen2 x 1 (10Gbit/s, Type-A) 2 x USB2.0 Type-A 1 x USB2.0 Type-A (in chassis)		
LAN	2 x RJ45 Intel i210IT 1G LAN Controller, support 802.3 af up to 30W Total for IP Cam		
Serial port	2 x RS-232/485/422 (DB9, BIOS Selected, Default RS-232)		
Display out	1 x HDMI 2.0 (resolution up to 3840 x 2160 @60Hz) 1 x DP++ 1.4a(resolution up to 3840 x 2160 @60Hz) 1 x VGA (resolution 1920x1200 @60Hz)		
Expansion Slots	2 x M.2 M-KEY 2280 (M.2 #1 & #2, PCIe Gen4 x4) Support NVME & AI Accelerator 1 x M.2 M-KEY 2280 (M.2 #3, PCIe Gen3 x4) Support AI ASIC 1x M.2 B-KEY 2242/3042/3052 (PCIe Gen3 x1 & USB3.2 & USB2.0) 1 x M.2 E-KEY 2230 (PCIe Gen3 x1 & USB2.0)		
SIM Slot	1 x Nano SIM slot		
GPIO	8 x bits GPIO (DB15)		
Audio	1 x Line-out, 1 x Mic-in		
Button	1 x Power button		
OOB	OOB (optional) , Built-in Innodisk – InnoAgent		
Power Consumption	Full loading: 130 Watts		
Power Input /Connector	DC-in 12-24V , 4-pin Terminal Block		
Dimension (Wx Dx H)	270 x 195 x 80 mm (10.63 x 7.67 x 3.15 in)		
Mounting	Wall mount / Desk mount / Din-rail		
Weight	NET Weight : 3.9 kg, Gross Weight : 6.5 kg		
Vibration	1Grms ,IEC60068-2-64,Random,5 ~ 500 Hz ,1Hr / Axis(op)		
Shock	10G, IEC 60068-2-27, Half Sine, 11 ms Duration (non-op)		
Temperature	Operating Temp.: -30°C ~ + 60°C (-22˚F ~ 140˚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 22.04/24.04		
Security	TPM 2.0		
Certification	CE / FCC Class A / UKCA / LVD / RoHS		

*Product Specifications Are Subject To Change Without Prior Notice

System Dimension



I/O Layout



Ordering Information

Model name	Description
AIP-MURE7-A1	AIP-MURE7-A1 Bare system (w/o DRAM, SSD, AI card, power adapter)
AIP-MURE5-A1	AIP-MURE5-A1 Bare system (w/o DRAM, SSD, AI card, power adapter)
AIP-MURE3-A1	AIP-MURE3-A1 Bare system (w/o DRAM, SSD, AI card, power adapter)

Option list

Part number	Model name	Description
53-0F0000-000C	POWER ADAPTER HEP-150-12A	(HF) 85~264V 150W 12V 12.5A IP65 WHITE -55~70℃
32-010000-0005	US POWER CORD	US POWER CORD SVT 18AWG 3C SL-2+SL-3 CABLE 1800mm BLACK 105℃
32-010000-0006	EU POWER CORD	EU POWER CORD H05VV-F 0.75mm2/3G SL-6+SL-3 CABLE 1800mm BLACK
32-010000-0008	JP POWER CORD	PSE SL-2+SL-3 CABLE 1800mm BLACK

*Product Specifications Are Subject To Change Without Prior Notice