

AI Workstation MegaEdge

PCIe Series AIP-FR68



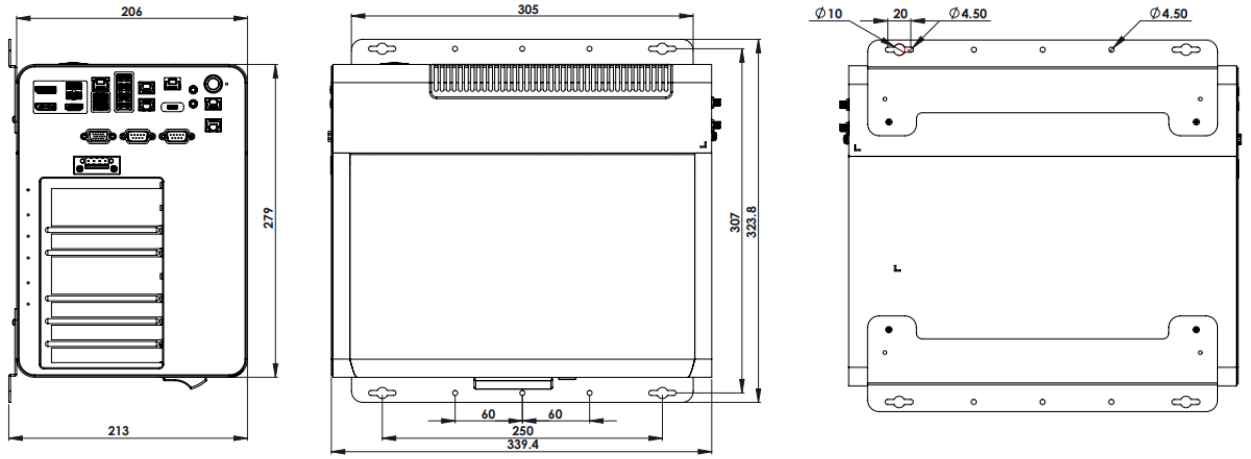
Features

- Featuring with NVIDIA® RTX PRO™ 6000 Blackwell Max-Q Workstation Edition deliver strong performance for AI workload.
- Specialized Thermal design to support Dual Qualcomm Cloud AI100 Ultra for localized AI Inference
- Drive breakthrough AOI AI defect inspection with Metropolis for Factories.
- Support out-of-band (OOB) management for remote maintenance of edge devices

Specifications

Model Number	AIP-FR68
CPU	12/13/14 th Gen. Intel® Core™ i9/i7/i5 Processor up to 65W
Graphics	Intel® UHD Graphics 770
Chipset	Intel® R680E Chipset
System Memory	4 x DDR5 288-pin U-DIMM up to 192G
Storage	4 x 2.5" SATAIII SSD (RAID 0/1/5/10) 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 802.3at 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, DB9, Default RS-232)
Display	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) 1x PCIe Gen4 x16 or Gen4 x8 (PCIe x16 slot) 1x PCIe Gen4 x8 (PCIe x16 slot) 1x PCIe Gen3 x4 (PCIe x4 slot) 1x PCIe Gen3 x4 (PCIe x16 slot) 1x PCIe Gen3 x1 (PCIe x1 slot)
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
Indicator	PCIe Slot-1&2 (POWER/FAN/TEMP)
MISC. Function	OOB (out of band), Built-in Innodisk – InnoAgent
Power Consumption	Full loading : up to 600 Watts
Power Input /Connector	DC-in 24~48V (Power input up to 600W) , 4-pin Terminal Block
Dimension (Wx Dx H)	340 x 215 x 279 mm
GPU Card support Dimension (Hx Wx D)	Based on NVFF5.0 112 x 269 x 39 mm (for Dual slots card) 112 x 244 x 19 mm (for Single Slot card)
Mounting	Wall mount / Desk mount
Net Weight	11 kg
Vibration	1Grms ,IEC60068-2-64,Random,5 ~ 500 Hz ,1Hr / Axis (operation, w/o PCIe Card)
Shock	10G, IEC 60068-2-27, Half Sine, 11 ms Duration (operation, w/o PCIe Card)
Temperature	Operating Temp.: 0°C ~ +50°C (32°F ~ 122°F)(w/o GPU) Operating Temp.: 0°C ~ +50°C (32°F ~ 122°F)(w/ 165W Passive GPU) Operating Temp.: 0°C ~ +40°C (32°F ~ 104°F)(w/ 300W Active GPU) 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 / Ubuntu 22.04/24.04
Security	TPM 2.0
Certification	CE / FCC Class A / UKCA / LVD / RoHS / BIS

System & Mounting Dimension



Ordering Information

Model name	Description
AIP-FR68-A2	AIP-FR68-A2 Bare system (w/o CPU, RAM, SSD, GPU card, Power Supply)

GPU Card (Optional)

Model	Part No.	Description
Qualcomm Cloud AI 100 Ultra accelerator cards	91-02QUAL-0000	Qualcomm Cloud AI 100 Ultra, PCIE4.0 16X, 128G LPDDR4X, PASSIVE 150W, PCIE FH3/4L.
NVIDIA RTX PRO 6000 Blackwell MAX-Q Workstation Edition 96GB	61-026000-B000	PCIE Gen5.0 x16, NVIDIA RTX PRO 6000, 96GB GDDR7, 4x DP2.1b, Dual slot, full height, Active thermal, 300W, 0°C to +40°C

