Features

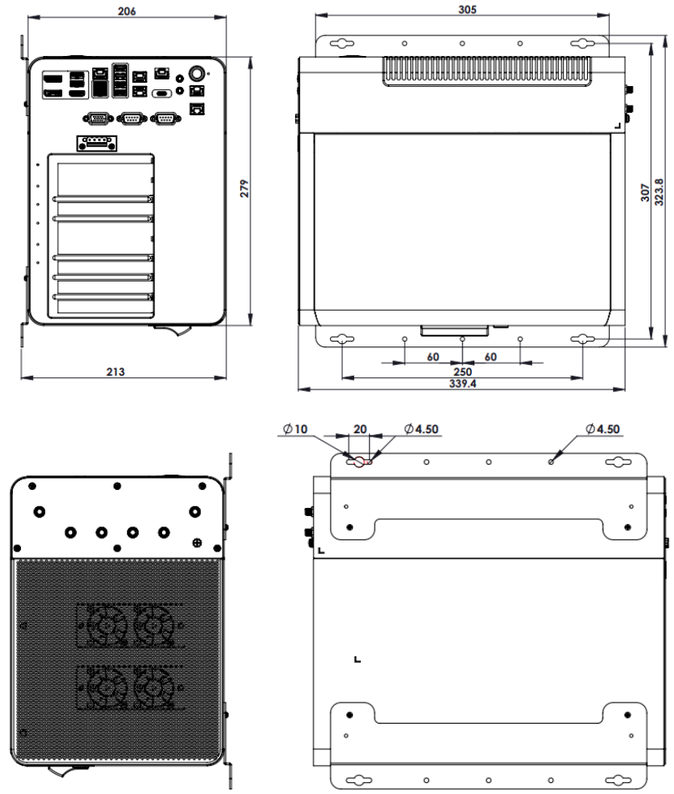
AITAS-MI500 provides unparalleled AI performance and acts as an AI workstation designed to meet state-of-the-art edge AI technology. Certified for NVIDIA NCS (NVIDIA Certified System). This X86 edge AI system is crafted for the most challenging AI tasks and can operate smoothly and reliably even under intense workloads. This platform enables efficient edge computing applications and AI model training and allows businesses to effectively and quickly advance AI project deployment. The feature as following:

- 12/13th Gen. Intel Core i9/i7/i5 Processor up to 65W
- 2 x M.2 B-Key/E-Key/M-Key
- 3 x 2.5G RJ-45 Ethernet (I226-LM, LAN2/LAN3 support 803.2at PoE up to 30W/ch)
- 1 x 10G BASE-T RJ-45 (Marvell AQC113)
- Wide Power Input Range DC-in 24~48V (Power input up to 600W)
- Operating temperature 0~40°C (32~104°F) (w/ 300W Active GPU)

Specifications

System	
Processor	12/13th Gen. Intel Core i9/i7/i5 Processor up to 65W I9-13900, I9-13900E, I9-13900TE, I7-13700, I7-13700E, I7-13700TE I5-13500, I5-13500E, I5-13500TE I9-12900, I9-12900E, I9-12900TE, I7-12700, I7-12700E, I7-12700TE I5-12500, I5-12500E, I5-12500TE
Graphics	Intel UHD Graphics 770
Chipset	Intel R680E Chipset
System Memory	4 x DDR5 U-DIMM Slot support, up to 8/16/32GB Capacity/ch - 2DPC-1DMM 4400MT/s - 2DPC-2DIMM(1R) 4000MT/s - 2DPC-2DIMM(2R) 3600MT/s
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, Size 2280 1 x M.2 M-Key Slot, Support PCIe Gen4 x4 for NVME/SATAIII , Size 2280 (NVME Gen 4 available to support dual M.2 AI accelerator, Phison aiDAPTIV+)
USB	8 x USB 3.2 Gen2 x1 (Type-A), 1 x USB 3.2 Gen2 x2 (Type-C)
LAN	3 x 2.5G RJ-45 Ethernet (I226-LM, LAN2/LAN3 support 803.2at PoE 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)
Display	1 x HDMI 2.0 (resolution up to 4K @60Hz) 2 x DP++1.4 (resolution up to 4K @60Hz) 1 x VGA (resolution up to 4K @60Hz), (VGA optional / GPIO either one)
Expansion Slots	1 x M.2 E-Key 2230 (USB2.0/PCIe) 1 x M.2 B-Key 3052 (USB2.0/USB3.2) 1 x PCIe Gen4 x16 or Gen4 x8 (PCIe x16 slot) 1 x PCIe Gen4 x8 (PCIe x16 slot) 1 x PCIe Gen3 x4 (PCIe x4 slot) 1 x PCIe Gen3 x4 (PCIe x16 slot) 1 x PCIe Gen3 x1 (PCIe x1 slot)
SIM Slot	1 x Nano SIM slot
GPIO	8 x bits GPIO (Default 8x in)
Audio	1 x Line-out, 1 x Mic-in
Button	1 x Power button, 1 x AI button
Indicator	PCIe Slot 1&2 status indicator (POWER/FAN/TEMP)
MISC. Function	OOB (out of band), Built-in Innodisk – InnoAgent
OS Support	Win10 IOT LTSC, Win11, Linux Ubuntu 20.04/22.04
Security	TPM 2.0

Dimensions



Operating Environment	
ROHS	RoHS Compliant
Environmental Spec	Operating Temp.:0~50°C (32~122°F) (w/o GPU) Operating Temp.:0~50°C (32~122°F) (w/ 165W Passive GPU) Operating Temp.:0~40°C (32~104°F) (w/ 300W Active GPU) Storage Temp.: -40~85°C (- 40~185°F)
Humidity	95% @ 40°C Related Humidity, Non-condensing
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)
Certification	CE/FCC Class A, UKCA, LVD, RoHS

Power Supply	
Power Consumption	Full loading: Support up to 600 Watts
Power Input /Connector	DC-in 24~48V (Power input up to 600W), 4-pin Terminal Block

Dimensions and Weight	
Height	340 mm
Width	213 mm
Depth	279 mm
Mounting	Wall mount
Net Weight	11 kg
GPU Card support Dimension (HxWxD)	Based on NVFF5.0, 112 x 269 x 39 mm (for Dual slots card) 112 x 244 x 19 mm (for Single Slot card)

V 1.0

All specifications and photos are subject to change without notice.