

*preliminary

Feature

- Intel® Q870 & PCIe Gen5:** Supports Blackwell Pro 6000 and Qualcomm AI100 Ultra for AI performance.
- Support 256GB DDR5 Memory:** Features 4x U-DIMM slots for massive data processing and scalability.
- Flexible Storage:** Storage bays for up to 5x 2.5" SSDs (supports up to 3x 3.5" HDDs.)
- Front-Access 2U Design:** 2x USB 2.0, SSD/HDD LED, and reset button for simplified maintenance.
- Rugged GPU Stabilization:** Built-in holder ensures card stability and signal integrity in harsh conditions.
- Smart Thermal Management:** Auto-fan control optimized for high-performance AI workloads.



Specifications

Model Number	AIP-RQ87-A1
CPU	Intel® Core™ Ultra 5/7/9 processors (Arrow Lake-S), up to 125W
Chipset	Intel® Q870 Chipset
System Memory	4 x 288-pin CU-DIMM DDR5 6400 MHz, U-DIMM DDR5 5600 MHz, up to 256GB (64GB per DIMM)
Storage	5 x 2.5 SATA SSDs(up to 3 x 3.5 HDD)
USB(Rear I/O)	7 x USB 3.2 Gen2 x 1 (Type-A) (10Gbps)
Ethernet(Rear I/O)	1 x 1Gbps 1 x 2.5Gbps
Display(Rear I/O)	1 x HDMI 2.1 1 x DP 1.4a++
COM(Rear I/O)	COM1 (RS-232/422/485)
Audio(Rear I/O)	1 x Mic-in, 1 x Line-out, 1 x Line-in(Realtek ALC888S)
Expansion Slots	1 x M.2 (Key M, 2242/2280) with PCIe Gen5 x4 for SSD 1 x M.2 (Key M, 2242/2280) with PCIe Gen4 x4 for SSD 1x M.2 E-Key 2230 (PCIe Gen 4 x1) 2x PCIe x16 (1*Gen5x16 signal or 2*Gen5x8 signal)
Power Consumption	Full loading : up to 2000 Watts
Power Input /Connector	2,000W: 220-240V~, 10A, 47-63HzS
Dimension (Wx Dx H)	438 x 500 x 88 mm
Mounting	Rack mount
Net Weight	10 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 ~ +40°C (32°F ~ 122°F)(w/ GPU) Storage Temp.: -40°C ~ +85°C (- 40°F ~ 185°F)
Humidity	95% @ 40°C Related Humidity, Non-condensing
OS Support	Windows 11 IOT/ Ubuntu 26.04
Security	TPM 2.0
Certification	CE / FCC Class A / UKCA / LVD / RoHS