

Autonomous / DeviceEdge

Powered by NVIDIA® Jetson Thor™
AIB-AT78/AT68



*Preliminary



Features

- NVIDIA Blackwell architecture GPU
- AI Power up to 2070 FP4 TFLOPS
- Support QSFP28 up to 100Gbps
- Support Dual 10G LAN port
- Support EtherCAT
- 5 x USB 3.2 Gen2
- Wide range DC-in voltage

Specifications

Model Number	AIB-AT78	AIB-AT68
Module Compatibility	NVIDIA Jetson T5000™	NVIDIA Jetson T4000™
AI Performance	2070 FP4 TFLOPS/ 1035 FP8 TFLOPS	1200 FP4 TFLOPS
GPU	2560-core NVIDIA Blackwell architecture GPU with 96 fifth-gen Tensor Cores	1536-core NVIDIA Blackwell architecture GPU with 64 fifth-gen Tensor Cores
CPU	14-Core ARM Neoverse V3AE (64-bit)	12-Core ARM Neoverse V3AE (64-bit)
Memory	128GB 256-bit LPDDR5X	64GB 256-bit LPDDR5X
Storage	NVMe 1TB	
Display	1 x HDMI 2.0b 1 x DP 1.4a	
LAN	2 x RJ45 10GbE 1 x RJ45 1GbE EtherCAT	
USB	1 x USB-C 3.2 Gen2 4 x USB-A 3.2 Gen 2	
I/O Interfaces	1 x QSFP28 Slot	
	1 x HD Audio-in/out	
	2 x RS232/RS485/RS422	
	4 x CAN FD (Isolation)	
	4 x DI/DO (Isolation) @3.3V	
	2 x UART @ 3.3V	
	2 x I2C @ 3.3V	
Expansion	1 x SPI @ 3.3V or TPM	
	1 x OOB (by request)	
	1 x M.2 M with NVMe Storage (PCIe Gen5)	
	1 x M.2 E with WIFI/BT	
Camera	1 x M.2 B	
Power Input / Connector	1 x Micro SIM card slot	
Dimension (W x D)	9V-48V	
Net Weight	L:140 mm x W:165mm x H:42.8mm (w/o fansink)	
Temperature	TBD kg	
Humidity	Operating Temp.: -25°C ~ +80°C (-13°F ~ +176°F) (TBD)	
OS Support	Storage Temp.: -40°C ~ +85°C (-40°F ~ +185°F)	
Certification	95% (non-condensing)	
	Linux	
	CE / FCC Class A / UKCA	