MIC-743-AT

AI Inference System Powered by NVIDIA® Jetson Thor™ Module



Features

- Embedded with NVIDIA® Jetson T5000™ / T4000™ up to 2070 TFLOPS (FP4)
- Supports 1 x QSFP28 (T5000: 4 x 25GbE / T4000: 3 x 25GbE)
- Supports 1 x 5GbE, 4 x USB 3.2 Gen 2, 1 x M.2 AEkey(WiFi), 1 x M.2 Bkey (LTE)
- Support multiple purpose of large AI model for Generative AI application

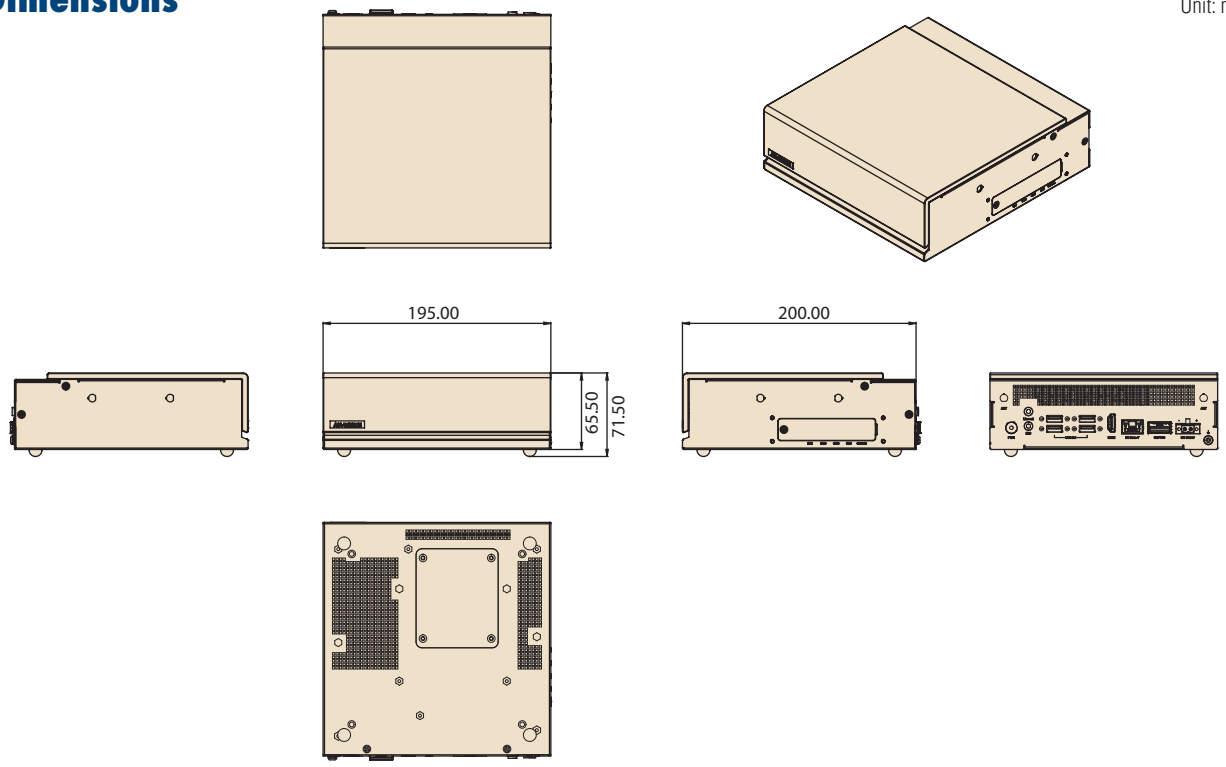
Specifications

Process		NVIDIA® Jetson T5000™ / T4000™
	CPU	T5000: 14 core Arm® Neoverse V3AE (64-bit) SMP CPU architecture L1 Cache (I, D) per core: 64KB + 64KB, L2 1MB, L3 16MB T4000: 12 core Arm® Neoverse V3AE (64-bit) SMP CPU architecture L1 Cache (I, D) per core: 64KB + 64KB, L2 1MB, L3 16MB
	GPU	T5000: 2560 NVIDIA® CUDA® cores 96 5th Gen Tensor cores MAXN: 1.57 GHz T4000: 1536 NVIDIA® CUDA® cores 64 5th Gen Tensor cores MAXN: 1.53 GHz
	Memory	T5000: 128GB LPDDR5X T4000: 64GB LPDDR5X
Ethernet	RJ45	1 x 10/100/1000/2500/5000 Mbps Ethernet
	QSFP28	T5000: 4 x 25GbE T4000: 3 x 25GbE
I/O	Display	HDMI (Max. resolution 3840x2160 @ 60Hz)
	USB	4 x USB 3.2 Gen 2
	OTG USB	1 x Micro USB
	Console	1 x microUSB console for debug (UART to USB)
	Audio	1 x audio speaker out, MIC in on board
	SIM card	1 x Nano SIM on side of board
Expansion	M.2 Ekey	1 x 2230 E-key (Signal: PCIex1 + USB2.0)
	M.2 Bkey	1 x 3052/3042 B-key (Signal: USB3.0 + USB2.0)
	TPM	1 x TPM (onboard)
Storage	M.2 M.key	1 x 2280 M-key NVMe (PCIex4) pre-installed 1TB SSD
Power	Power Supply	Power input: 19-36V
	Power Type	Terminal Block 2 Pin
	Internal pin header	3 x SMART FAN
Environment	Operational Temperature	-10 ~ 35 °C with 0.7 m/s air flow
	Operating Humidity	95% @ 40 °C (non-condensing)
	Vibration	3 Grms @ 5 ~ 500 Hz, random, 1 hr/axis
Mechanical	Dimensions (W x D x H)	195 x 200 x 71.5 mm with rubber foot
	Weight	2kg
	Installation	Desktop/Wall mount
Operating System		NVIDIA Jetpack™ 7.0
Certifications		CE/FCC/CCC/KCC/BSMI/UL (No RED certification)

All product specifications are subject to change without notice.

Dimensions

Unit: mm



Ordering Information

Part Number	NVIDIA Module	Memory	eMMC	Installed Jetpack version	NVMe
MIC-743-AT7A1	NVIDIA® Jetson T5000™	128 GB	NA	JetPack7.0	1TB Pre-installed
MIC-743-AT6A1	NVIDIA® Jetson T4000™	64 GB	NA	JetPack7.0	1TB Pre-installed
MIC-743-AT7A2	NVIDIA® Jetson T5000™	128 GB	NA	NA	NA
MIC-743-AT6A2	NVIDIA® Jetson T4000™	64 GB	NA	NA	NA

Packing List

Part Number	Description	Quantity
MIC-743-AT	AI Inference System	1
XMIC-FSP230-AAAN3	ADP A/D 100-240V 230W 24V C14 TERMINAL BLOCK 2P	1
1700023619-01	Micro USB cable for system recovery	1

Optional

	Part Number	Description	Quantity
SSD	96FD80-P2TB-TS1	SSSTC M.2 2280 2TB NVME G4x4 DRAMLESS SSD -25°C ~85°C	1
Wifi	EWM-W179M201E	Wi-Fi 6 + BT Module M.2 Key A/E	1
	1751000620-01	Cable Ant. SMA/F-R MHF4L/113 BLK L300mm (Wi-Fi)	2
	1751000460-01	Dipole Ant. WiFi 6E SMA/M-R BLK L111.7mm IP54 (Wi-Fi)	2
5G	AIW-356-DQ	5G Sub6+GNSS M.2 3052 Key B (by region)	1
	1751000623-01	Cable Ant. SMA/F MHF4L/113 BLK L300mm (5G)	4
	1750009372-01	Ant.SMA/M 90/180 5G BLK 167mm RG178 (5G)	4
Power Cord	1702002600	Power Cord (USA) UL/CSA, 3-pin, 10A, 125V, 1.83 M	1
	1700029019-01	Power Cord (PSE/BSMI), 3-pin, 7A, 125V, 1.8 M, DAC-ST01	1
	1702002605	Power Cord (EU) 2-pin, 10/16A, 220V, 1.83 M, 90 D	1
Wall Mount kit	1960070543T00B	MOUNTING Bracket for MIC-743	2
	1930007259-01	Screw M4x4L F/S D=8.5 H=1.5 (2+) ST/H BZn-NK	4