MIC-710AIT

AI Inference System Based on NVIDIA® Jetson™ TX2 NX

Features

- Compact fanless design
- NVIDIA® Jetson™ TX2 NX embedded
- 2 x embedded LAN port
- Linux OS with board support package (BSP)
- Supports deep learning trained models
- Wide operating temperature range
- Supports 24/7 secure remote monitoring, control, and OTA deployment powered by Allxon

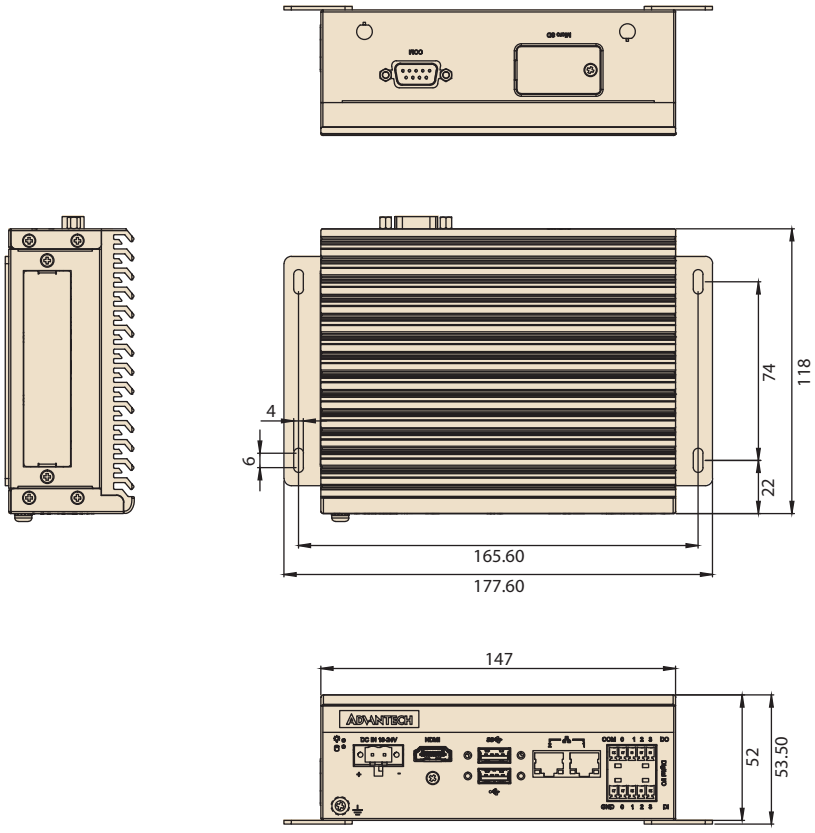
Specifications

Processor System	Carmel CPU	Dual-core NVIDIA Denver 2 64-bit CPU and quad-core ARM A57 Complex
	Volta GPU	NVIDIA Pascal™ Architecture GPU with 256 CUDA cores
	Memory	8 GB 128-bit LPDDR4x DRAM
	Flash	16G of eMMC
Ethernet	Interface	RJ-45
	Controller	Intel® i210IT
	Speed	2 x Gigabit Ethernet (10/100/1000 Mbps)
I/O	Display	HDMI (Max. resolution 3840 x 2160 @ 60Hz)
	USB	External 1 x USB 2.0 1 x USB 3.0 Internal 1 x USB 2.0
	OTG USB (Internal)	1 x Micro USB
	DI/DO	4bit in, 4bit out
	COM	1 x RS-232/RS-422/RS-485
Expansion	MiniPCIe (iDoor)	1 x MiniPCIe
Storage	M.2 SATA	1 x M.2 2280 (M Key, SATA interface)
	SD card	1 x Micro SD
Power	Power supply	Power adaptor: 19-24V (1.5A-1.18A)
	Power type	Terminal block 2 Pin
Environment	Operational temperature	-10 ~ 60 °C; 14 ~ 140 °F with 0.7 m/s air flow (Max-P ARM mode)
	Operating humidity	95% @ 40 °C; 104 °F (non-condensing)
	Vibration	3 Grms @ 5 ~ 500 Hz, random, 1 hr/axis
Mechanical Specifications	Dimensions (W x D x H)	147 x 118 x 52 mm (5.7 x 4.6 x 2 in)
	Weight	1.2 kg (3.5 lb)
	Installation	Desktop/DIN RAIL
Operating System	Linux	Ubuntu 18.04 with JetPack
Certifications		CE/FCC/BSMI/CCC (No RED certification)

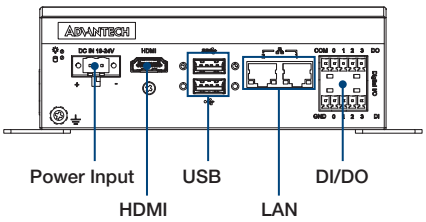
All product specifications are subject to change without notice.
Last updated: 25-Jul-2022

Dimensions

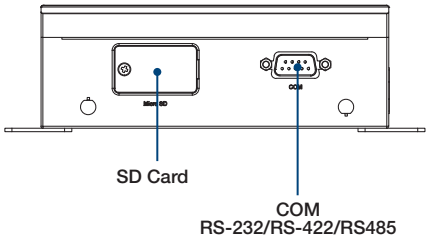
Unit: mm



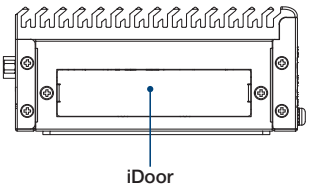
Front View



Back View



Side View



Ordering Information

Part Number	Description
MIC-710AIT-00A1	AI Inference System Based on NVIDIA® Jetson™ TX2 NX

Packing List

Part Number	Description	Quantity
1652002202	Power connector-2Pin	1
1652005204	DI/DO connector-5Pin	2
1700023619-01	Micro USB cable for system recovery	1
1960095312N001	Mounting bracket	2
1930008089	MiniPCIe screw	2
1930005673-11	M.2 screw	1

Optional

Part Number	Description
96PSA-A65W19P2-1	Power Adapter 100-240V 65W 19V
1700001524	Power Cord UL 3P 10A 125V 183cm (US)
170203183C	Power Cord EU 3P 2.5A 250V 183cm (EU)
170203180A	Power Cord BSI 3P 2.5A 250V 183cm (UK)
1702031836	Power Cord SAA 3P 10A 250V 183cm (AU)
1700008921	Power Cord PSE 3P 7A 125V 183cm (Japan)
1700019146	Power Cord CCC 3P 2.5A 250V 183cm (China)
98R1750020E	DIN RAIL bracket kit
1960065854N001	PCM series module bracket
98RV710AL00	Allxon OOB module