MIC-710AILT

AI Inference System (Lite) based on NVIDIA® Jetson™ TX2 NX

Features

- Fanless ultra-compact design
- NVIDIA® Jetson™ TX2 NX embedded
- 1 x M.2 2280 NVMe for storage
- Linux OS with BSP (board support package)
- Supports deep learning trained models
- Support wide-operating temperatures

Specifications

Processor System	CPU	Dual-core NVIDIA Denver 2 64-bit CPU and quad-core ARM A57 Complex
	GPU	NVIDIA Pascal™ Architecture GPU with 256 CUDA cores
	Memory	4GB LPDDR4
	Flash	16G of eMMC
Ethernet	Interface	RJ-45
	Controller	On-module embedded
	Speed	1 x Gigabit Ethernet (10/100/1000 Mbps)
I/O	Display	HDMI (Max. resolution 3840x2160 @ 60Hz)
	USB	External 1 x USB 2.0 1 x USB 3.0 Internal 1 x USB 2.0 (By Pin header)
	OTG USB (External)	1 x Micro USB
	DI/DO	-
	COM	RS-232 (By Pin header)
	SIM card	1 x Nano SIM
Expansion	MiniPCIe	1 x MiniPCIe*
Storage	M.2	1 x M.2 2280* NVME (M Key, PCIex2)
	SD card	1 x Micro SD
Power	Power supply	Power adapter: 12-24V, 6A-3A
	Power type	Thermal block 2 pin
Environment	Operational temperature	-10 ~ 60 °C (14 ~ 140 °F) with 0.7 m/s air flow
	Operating humidity	95% @ 40 °C; 105 °F (non-condensing)
	Vibration	3 Grms @ 5 ~ 500 Hz, random, 1 hr/axis
Mechanical Specifications	Dimensions (W x D x H)	85 x 118 x 45 mm; 3.34 x 4.64 x 1.77 in
	Weight	1.2 kg (2.64 lb)
	Installation	Desktop/DIN RAIL
Operating System	Linux	Ubuntu 18.04 with JetPack
Certifications		CB/UL/CE/FCC/BSMI/CCC (No RED certification)

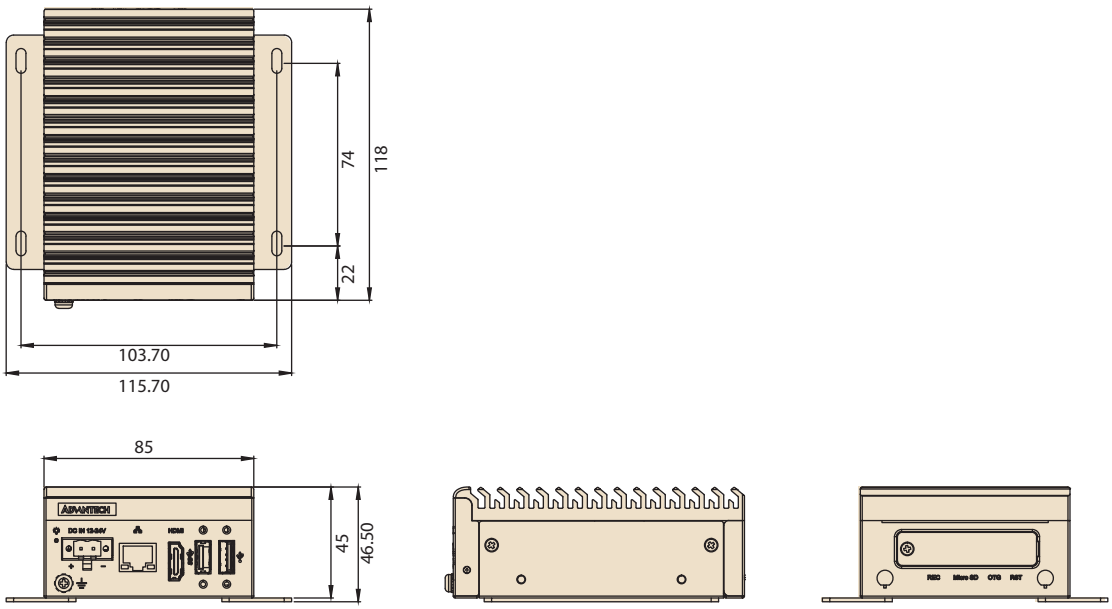
SW1	MiniPCIe	NVMe M.2
ON*	USB 2.0 + PCIex1	PCIex1
OFF	USB 2.0 + PCIex1	PCIex2

*Default SW1 is ON

All product specifications are subject to change without notice.
Last updated: 17-Jun-2022

Dimensions

Unit: mm



Ordering Information

Part Number	NVIDIA Module	Memory	eMMC	SD card
MIC-710AILT-00B1	TX2 NX	4G	16G	YES
MIC-710AILT-00B2	TX2 NX	4G	16G	-

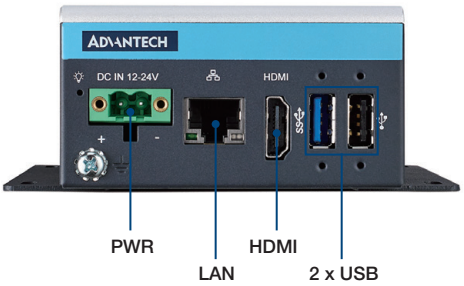
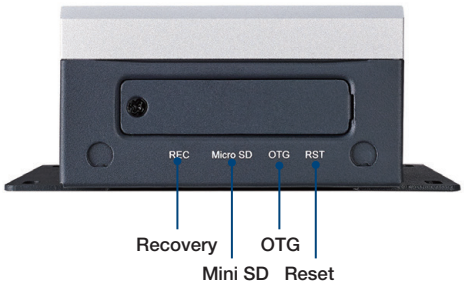
Packing List

Part Number	Description	Quantity
1652002202	Power connector-2Pin	1
1700023619-01	Micro USB cable for system recovery	1
1960095312N001	Mounting bracket	2
1930007979	Bracket screw	4
1930005673-11	M.2 screw	1
1930008089	MiniPCIe screw	2

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
98RV710AL00	Allxon OOB module

Front View



Back View