MIC-710AI

AI Inference System Based on NVIDIA® Jetson™ NANO



Features

- Fanless compact design
- Embedded with NVIDIA® Jetson™ NANO up to 472 GOPS
- Supports 2 x GbE, 1 x USB 3.0 , 1 x USB 2.0
- Supports 1 x mPCIe, 1 x M.2 2280 (SATA interface)
- Supports Allxon 24/7 remote monitoring and OTA deployment; Azure Certified Devices

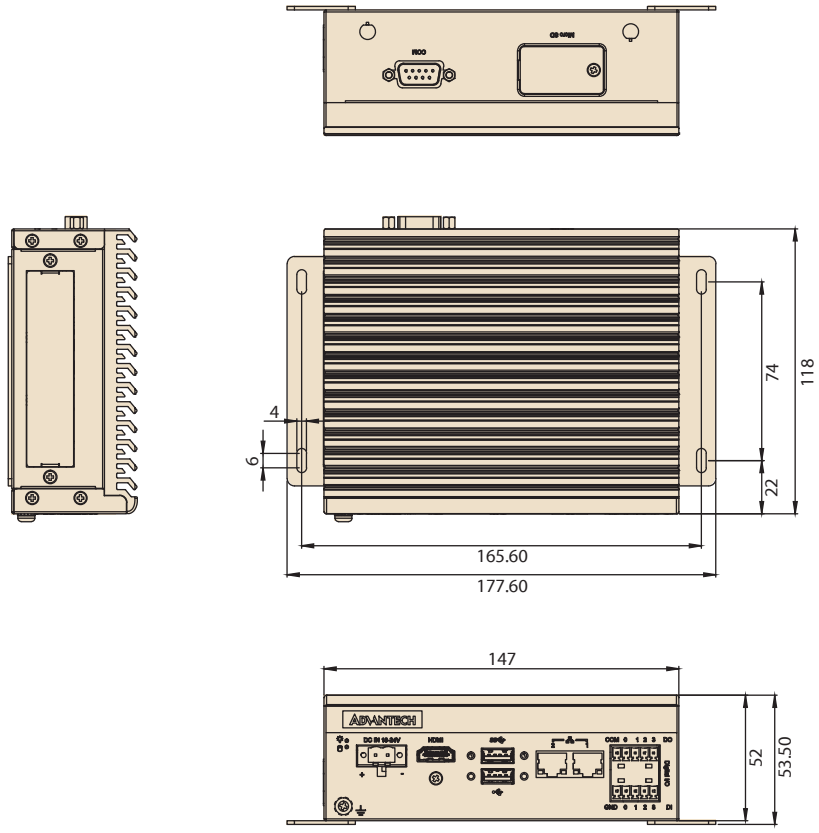
Specifications

		Jetson NANO
Processor System	CPU	Quad-core ARM A57 Complex
	GPU	128-core NVIDIA Maxwell GPU
	Memory	4GB LPDDR4
	Flash	16G of eMMC
I/O	Ethernet	2 x 10/100/1000 Mbps
	Display	HDMI (Max. resolution 3840 x 2160 @ 60Hz)
	USB	Internal: 1 x USB 2.0 External: 1 x USB 2.0, 1 x USB 3.0
	DI/DO	4-ch DI, 4-ch DO
	COM	Internal: 1 x RS-232 pin header External: 1 x RS-232/RS-422/RS-485
	OTG USB	1 x Micro USB (Internal)
Expansion	Mini PCIe	1 x mPCIe (Signal: PCIe + USB)
	SIM	1 x Nano SIM slot
	iDoor (Optional)	1 x iDoor bracket reserved
Storage	Storage	1 x Micro SD slot 1 x M.2 2280 (M-Key, signal: SATA3) 1 x SATA3 connector
Power	Type	Terminal block, 2-pin, AT
	Input Voltage	19-24 V_{DC}, 1.5A-1.18A
Environment	Operating temperature	MODE 0 10W 4 CORES: -10 ~ +60°C with 0.7 m/s airflow
	Operating humidity	95% @ 40 °C; 104 °F (non-condensing)
	Vibration	3 Grms @ 5 ~ 500 Hz, random, 1 hr/axis
	Shock	10G / 11 ms
Mechanical Specifications	Dimensions (W x D x H)	147 x 118 x 52 mm (5.7" x 4.6" x 2")
	Weight	1.2 kg (3.5 lb)
	Installation	Desktop / DIN-rail
BSP	Jetpack	4.6
Certifications		CE/FCC/BSMI/CCC (No RED certification)

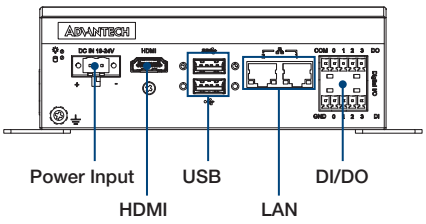
All product specifications are subject to change without notice.
Last updated: 19-May-2023

Dimensions

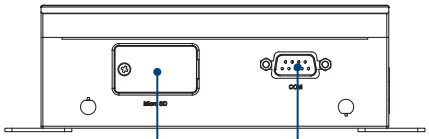
Unit: mm



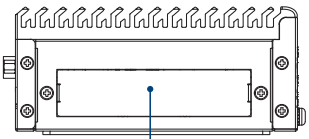
Front View



Rear View



Side View



Ordering Information

Part Number	NVIDIA Module	Memory	eMMC	SD Card
MIC-710AI-00A1	NANO	4G	16G	YES
MIC-710AI-00A2	NANO	4G	16G	-

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	Mini PCIe 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