

# MIC-710AIL

## AI Inference System (Lite) based on NVIDIA® Jetson Nano™/ Xavier™ NX

**NEW**



### Features

- Fanless and ultra-compact design
- NVIDIA Jetson Nano/ Xavier NX embedded
- 1 x M.2 2280 NVMe for storage
- Linux OS with BSP (board support package)
- Supports deep learning trained models
- Wide-operating temperature range



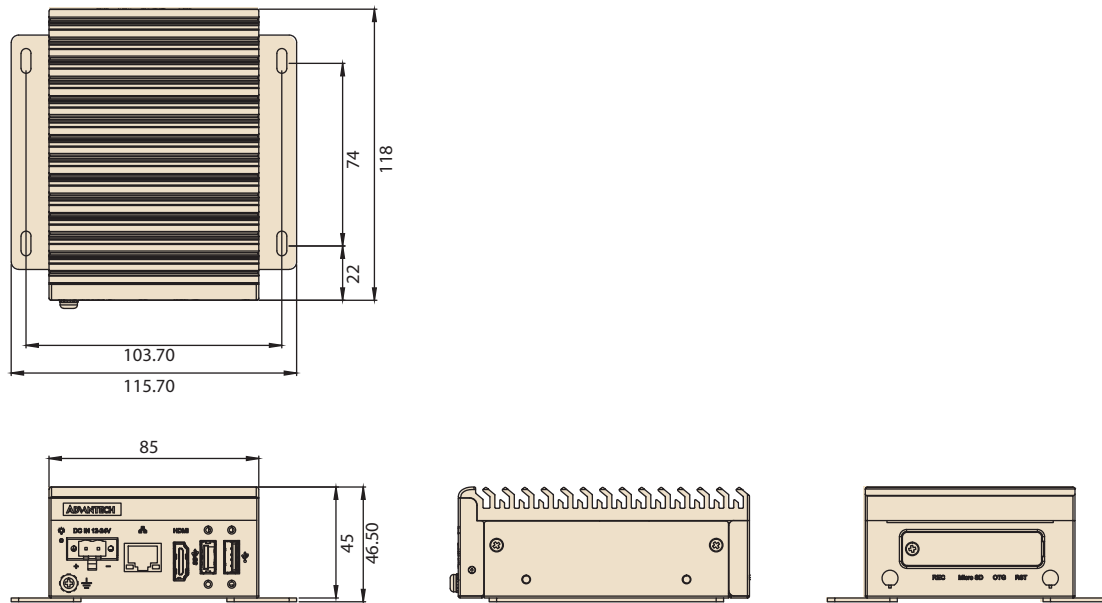
### Specifications

Processor System	CPU	Jetson Nano: Quad Core ARM Cortex A57 (Max. Operating Frequency: 1.43GHz) Jetson NX: ARMv8.2 (64-bit) heterogeneous multi-processing (HMP) CPU architecture, six Carmel processor cores (Max. Operating Frequency: 1.9 GHz)	
	GPU	Jetson Nano: Maxwell GPU, 128 CUDA core, Performance up to 512 GFLOPS (FP16) (Max. Frequency: 921MHz) Jetson NX: 384 CUDA Core, 48 Tensor Cores, Performance up to 21 TOPS (INT8) (Max. Operating Frequency: 1.1GHz)	
	Memory	Jetson Nano: 4GB LPDDR4 Jetson NX: 8GB 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	USB2.0 x 1 USB3.0 x 1
		Internal	USB2.0 x 1
	OTG USB (External)	1 x Micro USB	
	DI/DO	-	
	COM	-	
	SIM card	1 x Nano SIM	
Expansion	MiniPCIe	1 x MiniPCIe*	
Storage	M.2	1 x M.2 2280 NVMe (M Key, only Xavier NX supported)	
	SD card	1 x Micro SD	
Power	Power Supply	Power Adaptor: 12-24V, 10A-5A	
	Power Type	Thermal Block 2 Pin	
Environment	Operational Temperature	-10 ~ 60 °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)	85 x 118 x 45 (mm)	
	Weight	1.2 kg	
	Installation	Desktop/DIN RAIL	
Operating System	Linux	Ubuntu 18.04 with JetPack	
Certifications		CE/FCC/BSMI/CCC (No RED certification)	

\* For SOM Nano, MiniPCIe function is disabled when the onboard switch SW1-1 is changed to OFF for M.2 PCIe x1 function enabled. (Default SW1-1 is ON)  
For SOM NX, MiniPCIe function is disabled when the onboard switch SW-2 is changed to OFF for SIM card function enabled. (Default SW-2 is ON)

## Dimensions

Unit: mm



## Ordering Information

Part Number	NVIDIA Jetson	Core Count	Memory	eMMC
MIC-710AIL-00B1	Nano	4-core	4GB LPDDR4	16GB
MIC-710AILX-00B1	Xavier NX	6-core	8GB LPDDR4	16GB

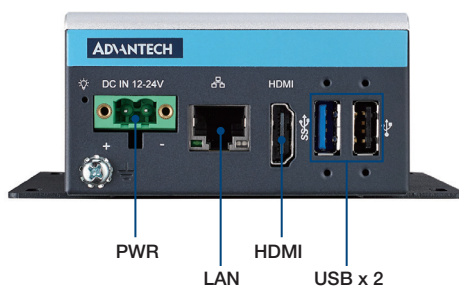
## Packing List

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

## Front View



## Back View

