MIC-710AIL

AI Inference System (Lite) Based on NVIDIA® Jetson Nano™



Features

- Fanless and ultra-compact design
- Embedded with NVIDIA® Jetson Nano™ up to 472 GFLOPS
- Supports 1 x GbE, 1 x USB 3.2 Gen 1 (5 Gbit/s)
- Supports 1 x mPCIe, 1 x M.2 2280
- Supports Allxon 24/7 remote monitoring and OTA deployment

Specifications

Processor System	CPU	Quad-Core Arm® Cortex®-A57 MPCore Processor
	GPU	128-core NVIDIA Maxwell™ GPU
	Memory	4GB LPDDR4
	Flash	16G of eMMC
I/O	Ethernet	1 x 10/100/1000 Mbps
	Display	HDMI (Max. resolution 3840x2160 @ 60Hz)
	USB	External: 1 x USB 2.0, 1 x USB 3.2 Gen 1 Internal: 1 x USB 2.0 (5-pin header)
	OTG USB	1 x Micro USB
Expansion	Mini PCIe	1 x mPCIe (Signal: PCIe x1 + USB 2.0)
	SIM	1 x Nano SIM slots
Storage	M.2	1 x M.2 2280 (M-Key, NVMe, Signal: PCIe x4))
	SD Card	1 x Micro SD
Power	Mode	Therminal block 2-pin, AT
	Input Voltage	12 ~ 24 V_{DC}
Environment	Operating 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
	Shock	10G / 11ms
Mechanical	Dimensions (W x D x H)	85 x 118 x 45 mm (3.3" x 4.6" x 1.8")
	Weight	1.2 kg (2.65 lb)
	Installation	Desktop / Wall mount / DIN-rail
BSP	Jetpack	4.6
Certifications		CB/UL/CE/FCC/BSMI/CCC (No RED certification)

*Depending on the installation situation and interface connection. Derating of max. operating temp. is possible when using the cellular LTE module. Please see the user documentation.

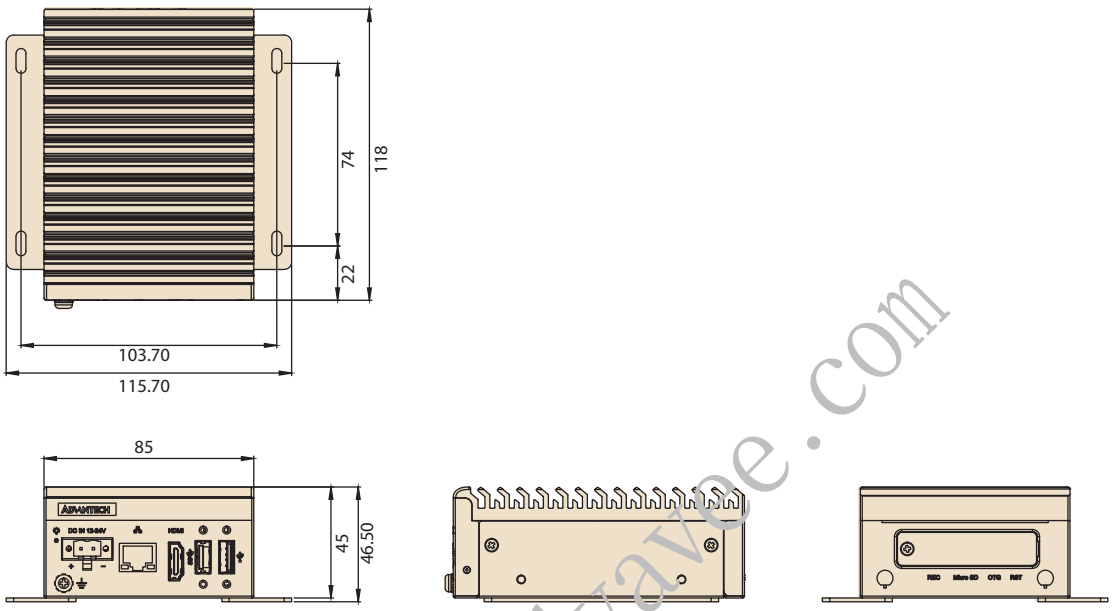
SW1	Mini PCIe	NVMe M.2
ON*	USB 2.0 + PCIe x1	X
OFF	USB 2.0	PCIe x4

*Default SW1 is ON

https://advavee.com

Dimensions

Unit: mm



Ordering Information

Part Number	NVIDIA Module	Memory	eMMC	SD Card
MIC-710AIL-00B1	NVIDIA Jetson Nano	4G	16G	YES
MIC-710AIL-00B2	NVIDIA Jetson Nano	4G	16G	-

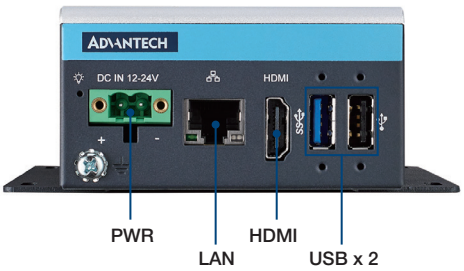
Packing List

Part Number	Description	Quantity
MIC-710AIL	Lite AI Inference System	1
1652002202	Power connector — 2 pin	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	Mini PCIe screw	2

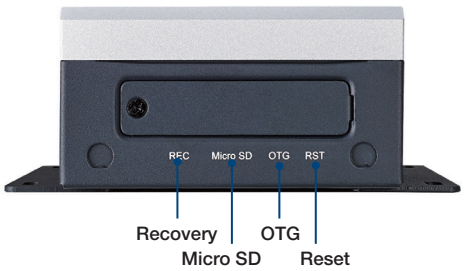
Optional

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)
98R17500201	Din Rail Mounting kit
1960099299N100	Mini PCIe HEATSPREADER FOR MIC-710AIL
1990021546N000	Thermal Pad for Mini PCIe
1960099300N100	M.2 HEATSPREADER FOR MIC-710AIL
1990019659S000	Thermal Pad for M.2

Front View



Back View



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