COASTIPC
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MIC-710AI

AI Inference System based on NVIDIA Jetson® NANO

Features

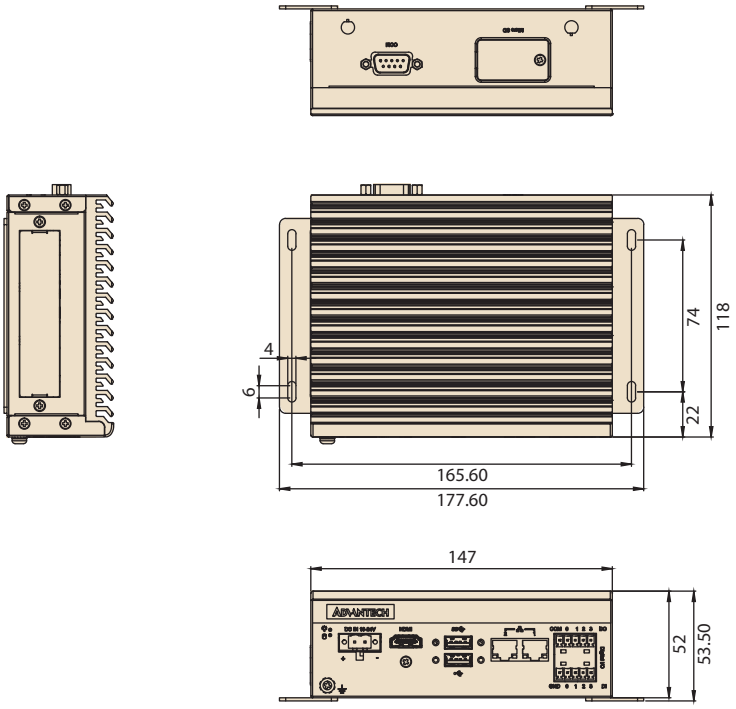
- Fanless and compact design
- NVIDIA Jetson® NANO embedded
- 2 x LAN port embedded
- Linux OS with BSP (board support package)
- Supports deep learning trained models
- Wide-operating temperature range

Specifications

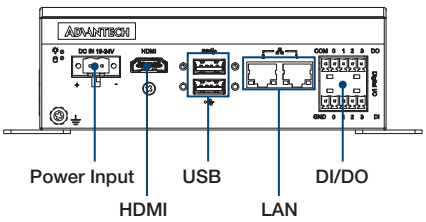
Processor System	CPU	Quad Core ARM Cortex A57 (Max. Operating Frequency: 1.43GHz)
	GPU	Maxwell GPU, 128 CUDA core, Performance up to 512 GFLOPS (FP16) (Max. Frequency: 921MHz)
	Memory	4GB LPDDR4
	Flash	16G of eMMC
Ethernet	Interface	RJ-45
	Controller	Intel® i211
	Speed	2 x Gigabit Ethernet (10/100/1000 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 (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 (Support for SD 4.0 Specification without UHS-II)
Power	Power Supply	Power Adaptor: 19-24V (1.5A-1.18A)
	Power Type	Terminal Block 2 Pin
Environment	Operational Temperature	-10 ~ 60 °C with 0.7 m/s air flow (Max-P ARM mode)
	Operating Humidity	95% @ 40 °C (non-condensing)
	Vibration	3 Grms @ 5 ~ 500 Hz, random, 1 hr/axis
Mechanical	Dimensions (W x D x H)	147 x 118 x 52 (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)

Dimensions

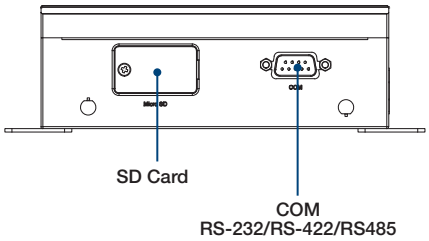
Unit: mm



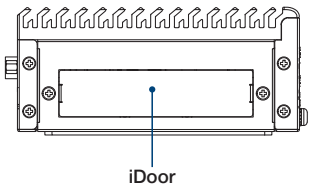
Front View



Back 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
MIC-710AI/MIC-710AIX	NVIDIA AI Inference System	1
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
1960065854N001	PCM series module bracket
98RV710AL00	Allxon OOB module