

MIC-730AI

AI Inference System based on NVIDIA Jetson® Xavier

Preliminary



Features

- NVIDIA Jetson™ Xavier embedded
- Fanless compact design
- Support 1 x MiniPCIe & 1 x M.2 (PCIe4 NVMe)
- Bundle with Linux Ubuntu 18.04
- Low power consumption
- Support 1 x PCIe8 + 1 x PCIe4 expansion (Optional by iModule MIC-75M20)

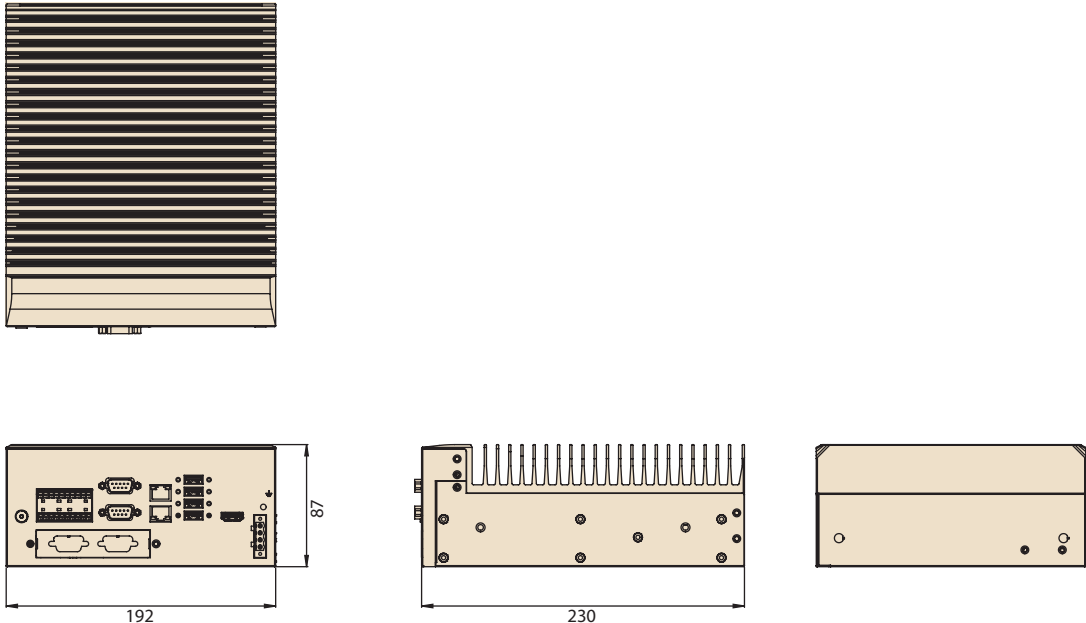


Specifications

		Jetson AGX Xavier 16GB
Processor System	GPU	NVIDIA Volta™ architecture with 512 NVIDIA CUDA cores and 64 Tensor cores 11 TFLOPS (FP16) 22 TOPS (INT8)
	CPU	8-core ARM v8.2 64-bit CPU, 8MB L2 + 4MB L3
	DLA	5 TFLOPS (FP16) 10 TOPS (INT8)
	Memory	16 GB 256-bit LPDDR4x 2133MHz - 137GB/s
	Storage	32GB eMMC 5.1
Ethernet	Interface	RJ45 x 2
	Controller	LAN1: Intel i210 LAN2: Marvell 88E1512
	Speed	10/100/1000 Mbps
I/O	Display	HDMI (Max. resolution 3840x2160 @ 60Hz)
	USB	Internal: 1 x USB2.0 External: 2 x USB2.0, 2 x USB3.0
	DI/DO	16 bit (8In/8Out)
	Power Switch	Power ON/OFF Button x 1 (AT/ATX , Default : AT)
	OTG USB	MicroUSB x 1 (Internal)
	COM	2 x RS-232/RS-422/RS-485
Expansion	PCIe	1 x PCIe8 + 1 x PCIe4 (optional by iModule MIC-75M20-00B1)
	MiniPCIe	1
Storage	Storage	2.5" HDD/SSD (Max. 9.5mm) x 1 (Internal) 1 x M.2 (NVMe 2280)
	SIM Card	NANO SIM x 1
Power	Type	AT/ATX
	Power supply Voltage	9-36V
Environment	Operational Temperature	-10 ~ +60 °C with 0.7 m/s air flow
	Operating Humidity	95% @ 40 °C (non-condensing)
	Vibration	0.5Grms @ 5 ~ 500 Hz, random, 1 hr/axis (With HDD)
Mechanical	Dimensions (W x D x H)	Core Module: 192 x 230 x 87 (mm) With iModule: 192 x 230 x 137 (mm)
	Weight	4.5 kg
	Installation	Desktop / Wall mount
Operating System	Linux	Ubuntu 18.04
Certifications		CE/FCC/BSMI/CCC

Dimensions

Unit: mm



Ordering Information

Part Number	NVIDIA Jetson	CUDA/Tensor Cores	CPU	Memory	eMMC
MIC-730AI-00A1	Xavier	512/64	8-core ARM v8.2 64-bit CPU	LPDDR4 16G 1333MHz	32GB

Packing List

Part Number	Description
TBD	

Optional

Part Number	Description
96PSA-A220W24P4-1*	Adaptor A/D, 100-240V, 220W, 24V
96PSA-A150W19P4-1**	Adaptor A/D, 100-240V, 150W, 19V
1702002600	Power Cord (USA) UL/CSA, 3-pin, 10A, 125V, 1.83 M, 180 D
1700022940-01	Power Cord PSE, 3-pin, 7A, 125V, 3 m, DAC-ST01
1702002605	Power Cord (EU) 2-pin, 10/16A, 220V, 1.83 M, 90 D

Front View

