MIC-715-NX

Ruggedized In-Vehicle AI Fanless System Based on NVIDIA® Jetson Xavier™ NX



Features

- Ruggedized IP67 waterproof fanless design
- Embedded with NVIDIA® Jetson Xavier™ NX up to 21 TOPS
- 2 x GbE and 4 x PoE with IEEE 802.3af compliance
- 2 x USB 3.0, 2 x CANbus, 1 x HDMI
- Supports 2 x mPCIe, 1 x M.2 3052, 1 x M.2 2280
- Linux OS with board support package (BSP)
- Supports AIIxon 24/7 remote monitoring and OTA deployment

Specifications

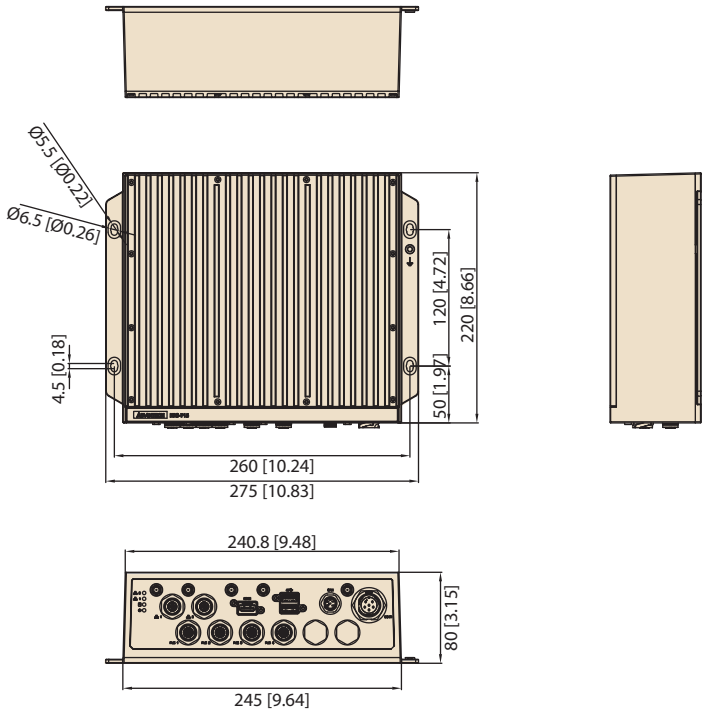
		NVIDIA® Jetson Xavier™ NX
Processor System	CPU	8GB: 6-core NVIDIA Carmel ARM® v8.2 64-bit CPU
	GPU	384-core NVIDIA Volta GPU with 48 Tensor Cores
	Memory	8GB LPDDR4
	Flash	16G of eMMC
I/O	Ethernet	6 x 10/100/1000 Mbps (4 x PoE support, IEEE 802.3af) in M12 X-coded, 8-pin female connector
	Display	HDMI (Max. resolution 3840x2160 @ 60Hz)
	USB	External: 2 x USB 3.0
	CANBus	2 x CANBus
	OTG USB	1 x Micro USB
Expansion	Mini PCIe	2 x mPCIe (signal: PCIe + USB)
	SIM	1 x Nano SIM slot
	M.2	1 x M.2 3052 (B-Key, signal: PCIe + USB)
Storage	M.2	1 x M.2 2280 M-Key (NVMe, PCIe x1)
	SD Card	1 x Micro SD slot
Power	Mode	M16, 6-pin male
	Input power	12/24V_{DC} (12-6A) with ignition *Note1
Environment	Operating Temperature	-25 ~ 60 °C with 0.7 m/s airflow (Max-P ARM mode)
	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)	275 x 220 x 80 mm (10.8" x 8.7" x 3.2")
	Weight	4.5 kg
	Installation	Desktop
BSP	Jetpack	Above 4.4.1
Certifications		CB/UL/CE/FCC/CCC (No RED certification)

Note1: Default setting is 12V DC in. If the power source is 24V, please open the case and adjust the SW1 DIP switch to 01 for 24V DC in.

All product specifications are subject to change without notice.

Dimensions

Unit: mm



Ordering Information

Part Number	NVIDIA Module	Memory	eMMC	SD Card
MIC-715-NXA1	Xavier NX	8GB	16GB	YES

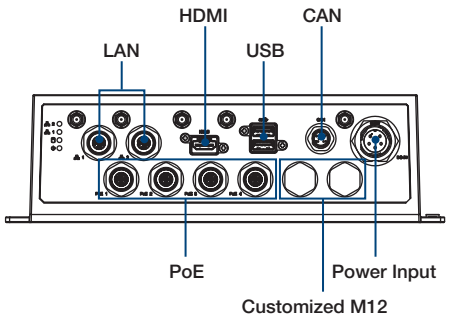
Optional

Part Number	Description
1700025503-01	M Cable Waterproof 8P/RJ45-8P8C 100cm (M12 to RJ-45)
1700022250-21	A Cable Waterproof 5P(F) 200cm (CAN cable)
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)

Optional for Development/Testing Only

Part Number	Description
XSK320-LRS-150-12	Open Frame, A/D 100-240V 150W 12V

Front View



Remote Management Enrollment

Enroll in 24/7 secure service to get all the features of remote device management on one centralized cloud portal - Allxon Portal.
Enrollment Page: https://allxon.com/jetson/device_enroll/