MIC-711D-OX

AI Developer Kit Based on NVIDIA® Jetson Orin™ NX



Features

- Open-frame carrier design with thermal solution
- Embedded with NVIDIA® Jetson Orin™ NX up to 157 TOPS
- Supports 1 x GbE, 2 x USB 3.2 Gen 1 (5 Gbit/s)
- Supports 1 x mPCIe, 1 x M.2 3052, 1 x M.2 2280
- Supports Allxon 24/7 remote monitoring and OTA deployment
- Supports Super mode with Jetpack 6.2 and above

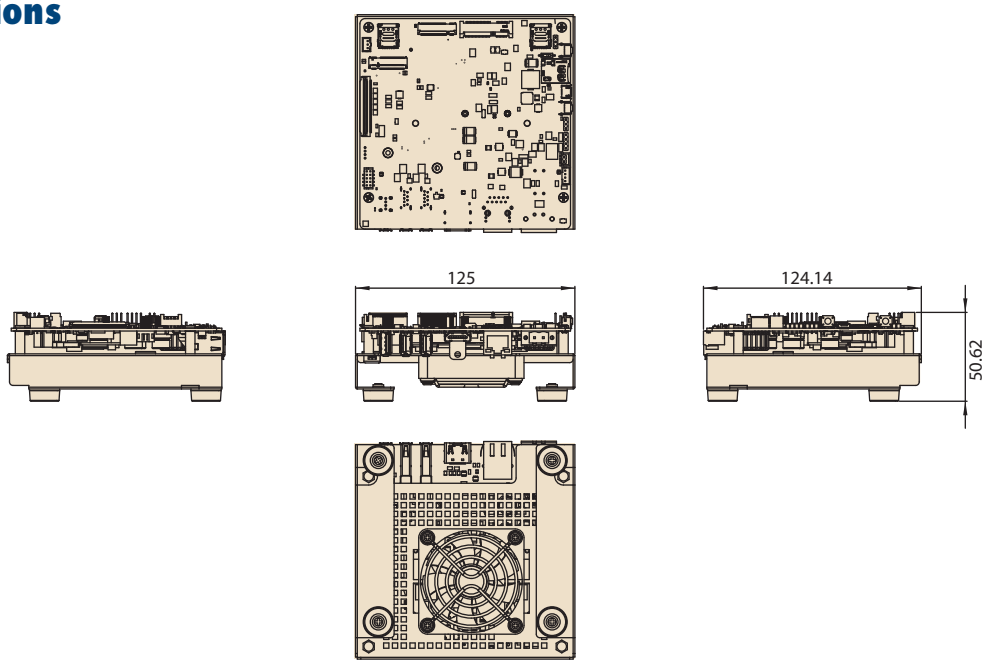
Specifications

		NVIDIA® Jetson Orin™ NX
Processor System	CPU	16GB: 8-core NVIDIA Arm® Cortex A78AE v8.2 64-bit CPU (2MB L2 + 4MB L3) 8GB: 6-core NVIDIA Arm® Cortex A78AE v8.2 64-bit CPU (1.5MB L2 + 4MB L3)
	GPU	1024-core NVIDIA Ampere GPU with 32 Tensor Cores
	Memory	16GB: 16GB LPDDR5 8GB: 8GB LPDDR5
	Flash	-
I/O	Ethernet	1 x 10/100/1000 Mbps
	Display	HDMI (Max. resolution 3840x2160 @ 60Hz)
	USB	External: 2 x USB 3.2 Gen 1, 1 x USB 2.0 Internal: 1 x USB 2.0 (by pin header)
	OTG USB	1 x Micro USB
Expansion	Mini PCIe	1 x mPCIe (Signal: PCIe + USB 2.0)
	M.2	1 x M.2 3052 (B-Key, Signal: USB)
	GMSL (Optional)	2-ch GMSL2.0 with FAKRA connectors
	SIM	2 x Nano SIM slots
Storage	M.2	1 x M.2 2280 (M-Key, NVMe, Signal: PCIe x4))
	SD Card	1 x Micro SD
Fan	Dimension	60 x 60 x 13 mm (2.36" x 2.36" x 0.51")
	RPM	5400 RPM
Power	Mode	Terminal block, 2-pin, AT
	Input Voltage	9~36 V_{DC}
Mechanical	Dimensions (W x D x H)	125 x 125 x 51 mm (5.1" x 5.1" x 1.8")
	Weight	0.8 kg (1.76 lb)
	Installation	Desktop
BSP	Jetpack	Above 5.1

All product specifications are subject to change without notice.
Last updated: 12-Aug-2025

Dimensions

Unit: mm



Ordering Information

Part Number	NVIDIA Module	NVIDIA Module Memory	NVIDIA Module eMMC	NVMe	Super mode support
MIC-711D-0X4A1	Orin NX	16G	NA	128G(pre-installed system BSP)	No
MIC-711D-0X3A1	Orin NX	8G	NA	128G(pre-installed system BSP)	No
MIC-711D-0X4A2	Orin NX	16G	NA	128G(pre-installed system BSP)	Yes
MIC-711D-0X3A2	Orin NX	8G	NA	128G(pre-installed system BSP)	Yes

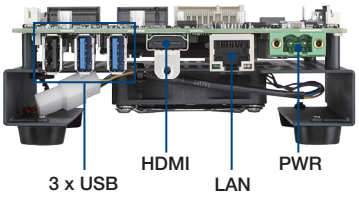
Packing List

Part Number	Description	Quantity
MIC-711D-0X	AI developer kit	1
1652002202	Power connector — 2-pin	1
1700023619-01	Micro USB cable for system recovery	1
1930005673-11	M.2 screw	2
1930008089	Mini PCIe screw	2

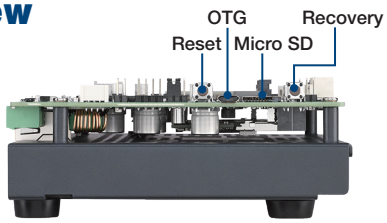
Optional

Part Number	Description
96PSA-A65W19P2-1	Power Adapter 100-240V 65W 19V
1700001524	Power Cord UL 3P 10A 125V 183 cm (US)
170203183C	Power Cord EU 3P 2.5A 250V 183 cm (EU)
170203180A	Power Cord BSI 3P 2.5A 250V 183 cm (UK)
1702031836	Power Cord SAA 3P 10A 250V 183 cm (AU)
1700008921	Power Cord PSE 3P 7A 125V 183 cm (Japan)
1700019146	Power Cord CCC 3P 2.5A 250V 183 cm (China)
98RV710AL00	Allxon OOB module
98R2711AL00	Allxon Bolt OOB module
MIC-FG-4G2C1	4ch GMSL SW video card

Front View



Back View



Top View

