

MIC-711-OX

基于 NVIDIA® Jetson Orin™ NX 的
边缘AI推理平台

NEW



特性

- 无风扇超紧凑设计
- 搭载 NVIDIA® Jetson Orin™ NX，最高算力达 157 TOPS
- 支持 1 × GbE，2 × USB 3.2 Gen1 (5 Gbit/s)
- 支持 1 × mPCIe，1 × M.2 3052，1 × M.2 2280
- 支持 Allxon 7 × 24 小时远程监控及 OTA 部署
- 支持超级模式（需 JetPack 6.2 及以上版本）



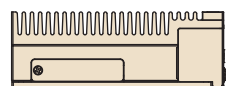
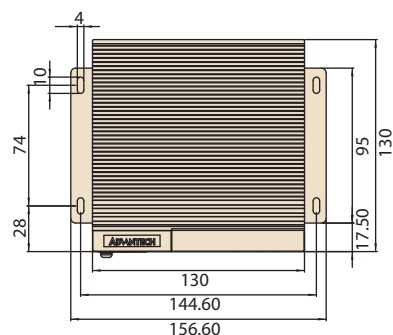
规格

		NVIDIA® Jetson Orin™ NX
处理器系统	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
	内存	16GB: 16GB LPDDR5 8GB: 8GB LPDDR5
	闪存	-
I/O	以太网	1 x 10/100/1000 Mbps
	显示	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
扩展	Mini PCIe	1 x mPCIe (Signal: PCIe + USB 2.0)
	M.2	1 x M.2 3052 (B-Key, Signal: USB)
	SIM	2 x Nano SIM slots
存储	M.2	1 x M.2 2280 (M-Key, NVMe, Signal: PCIe x4)
	SD Card	1 x Micro SD
电源	模式	Terminal block, 2-pin, AT
	输入电压	9 ~ 36 V _{DC}
工作环境	工作温度*	-10 ~ 60 °C with 0.7 m/s air flow Super mode : -10 ~ 50 °C with 0.7 m/s air flow (add fan kit for 60 °C)
	工作湿度	95% @ 40 °C (非冷凝)
	振动	3 Grms @ 5 ~ 500 Hz, random, 1 hr/axis
	冲击	10G / 11ms
物理特性	尺寸 (宽 × 深 × 高)	130 x 130 x 46 mm (5.1" x 5.1" x 1.8")
	重量	1.2 kg (2.65 lb)
	安装	Desktop / Wall mount
BSP	Jetpack	Above 5.1 (Above Linux Ubuntu 20.04)
认证		CB/UL/CE/FCC/BSMI/CCC (No RED certification)

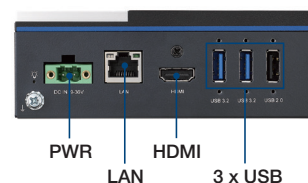
* 取决于安装环境及接口连接情况。使用蜂窝 LTE 模块时，最高工作温度可能需降额使用。请参阅用户文档。

尺寸

单位: mm



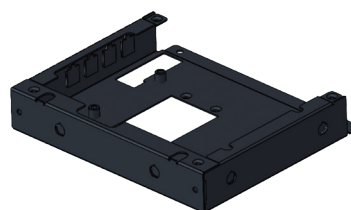
前视图



后视图



MIC-711 扩展套件视图



订购信息

料号	NVIDIA 模块	NVIDIA 模块内存	已安装的 JetPack 版本	NVMe	超级模式支持
MIC-711-0X4A1 (EOL)	Orin NX	16GB	JP5.1.2	128GB pre installed	No
MIC-711-0X3A1 (EOL)	Orin NX	8GB	JP5.1.2	128GB pre installed	No
MIC-711-0X4A2	Orin NX	16GB	JP6.2	128GB pre installed	Yes (default)
MIC-711-0X3A2	Orin NX	8GB	JP6.2	128GB pre installed	Yes (default)
MIC-711-0X4A3	Orin NX	16GB	NA	NA	Yes (No SSD/BSP included. Customer to provide SSD and install JetPack 6.2)
MIC-711-0X3A3	Orin NX	8GB	NA	NA	Yes (No SSD/BSP included. Customer to provide SSD and install JetPack 6.2)

包装清单

料号	描述	数量
MIC-711-OX	边缘AI开发板	1
1652002202	Power connector — 2-pin	1
1700023619-01	Micro USB cable for system recovery	1

料号	描述	数量
1960095312N001	Mounting bracket	2
1930007979	Bracket screw	4
1930005673-11	M.2 screw	2
1930008089	Mini PCIe screw	2

可选配件

类别	料号	描述	数量
Adapter	96PSA-A65W19P2-1	Power Adapter 100-240V 65W 19V	1
Power cord	1700001524	Power Cord UL 3P 10A 125V 183 cm (US)	1
	170203183C	Power Cord EU 3P 2.5A 250V 183 cm (EU)	1
	170203180A	Power Cord BSI 3P 2.5A 250V 183 cm (UK)	1
	1702031836	Power Cord SAA 3P 10A 250V 183 cm (AU)	1
	1700008921	Power Cord PSE 3P 7A 125V 183 cm (Japan)	1
	1700019146	Power Cord CCC 3P 2.5A 250V 183 cm (China)	1
	1700019146	Power Cord CCC 3P 2.5A 250V 183 cm (China)	1
GMSL	MIC-FG-4G2C1	4ch GMSL Video Capture Card	1
Wifi	1751000805-01	RF Cable FAKRA-Z/F FAKRA-Z/F KS302 BLK L15M	by camera quantity
	EWM-W173H01E	Wi-Fi 6+BT 5.0 Module 2.4/5GHz Mini PCIe	1
	1751000626-01	RF Cable SMA/F-R MHF1/113 BLK L250mm	2
5G	1751000460-01	Dipole Ant. WiFi 6E SMA/M-R BLK L111.7mm IP54 (Wi-Fi)	2
	AIW-356-DQ	5G Sub6+GNSS M.2 3052 Key B (by region)	1
	1751000624-01	Cable Ant. SMA/F MHF4L/113 BLK L250mm (5G)	4
	1750009372-01	Ant.SMA/M 90/180 5G BLK 167mm RG178 (5G)	4
Bracket	1960065854N021	Bracket for iDoor PCM series add-on module	1
OOB	98RVC711010	MIC-711 DIN rail kit	1
	98RV710AL00	Allxon OOB module (By adding Expansion kit)	1
MIC-711 Expansion Kit	98RVC711002	MIC-711 Expansion kit (2nd-layer expansion for 4-ch Video Capture Card, iDoor & additional 4 antenna holes)	1

** 标准 MIC-711 机箱提供 2 个天线孔。增加 MIC-711 扩展套件 (料号: 98RVC711002) 可额外获得 4 个天线孔。