

MIC-712-OX

基于 NVIDIA® Jetson Orin™ NX 的 AI 平台

NEW



特性

- 超薄设计，适用于安防领域的移动设备
- 搭载 NVIDIA® Jetson Orin™
- 支持 GMSL、PoE、USB 等多种扩展
- 支持 NVIDIA 超级模式，最高算力达 157 TOPS
- 系统集成带外管理（OOB）功能

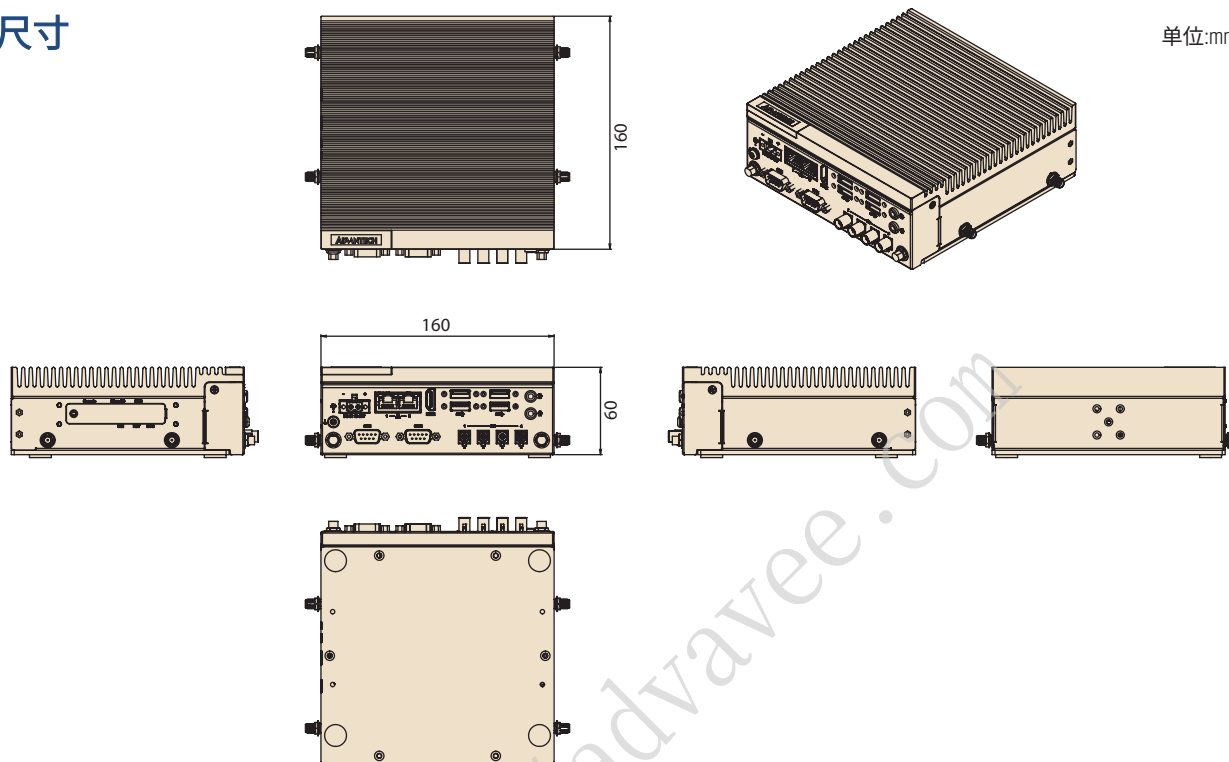


规格

		NVIDIA® Jetson Orin™ NX
处理器系统	CPU	16GB: 8-core NVIDIA Arm® Cortex A78AE v8.2 64-bit CPU 8GB: 6-core NVIDIA Arm® Cortex A78AE v8.2 64-bit CPU
	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	2 x 10/100/1000 Mbps
	显示	HDMI (Max. resolution 3840x2160 @ 60Hz)
	USB	External: 4 x USB 3.2 Gen 2
	调试控制台	1 x Micro USB
	OTG USB	1 x Micro USB
扩展	M.2 E-key	1 x 2230 E-key (Signal: PCIe + USB 2.0)
	M.2 B-key	1 x M.2 3052 (Signal: USB3.2)
	SIM	1 x Nano SIM slots
	TPM (可选)	1 x TPM 2.0
	GMSL (可选)	1 x MIPI connector for GMSL expansion
	Serial Port (可选)	1 x RS-232/422/485 (On-board pin header reserved)
	CANBus (可选)	1 x CANBus (On-board pin header reserved)
存储	M.2	1 x M.2 2280 (Signal: PCIe x4) (pre-installed 128G SSD on A1 SKU)
	SD Card	1 x Micro SD
电源	模式	AT
	输入电压	19 ~ 36 V _{DC}
工作环境	工作温度	-25 ~ 70 °C with 0.7 m/s airflow (25W power mode) -25 ~ 50 °C with 0.7 m/s airflow (40W power mode)
	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)	160 x 160 x 60 mm (6.3" x 6.3" x 2.36")
	重量	2.05 kg (w/o packing material)
	安装	Desktop
BSP	Jetpack	JP6.2 or above
认证		CE/FCC/UKCA/CB/UL/BSMI/CCC (No RED certification)

尺寸

单位:mm



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-712-OX4A1	Orin NX	16GB	JP6.2	128GB pre installed	Yes
MIC-712-OX3A1	Orin NX	8GB	JP6.2	128GB pre installed	Yes
MIC-712-OX4A2	Orin NX	16GB	NA	NA	Yes
MIC-712-OX3A2	Orin NX	8GB	NA	NA	Yes

包装清单

料号	描述	数量	料号	描述	数量
MIC-712-OX	MIC-712 Fanless system	1	1930005673-11	Screw M3x4.5L for peripheral	2
1652002202	Power connector - 2-pin	1	1960095312N001	Wall Mounting Bracket	2
1700023619-01	Micro USB cable for System recovery	1	1930007979	Screw for mounting bracket	4

可选配件

	料号	描述	数量
Wifi	EWM-W179M201E	Wi-Fi 6 + BT Module M.2 Key A/E	1
	1751000620-01	Cable Ant. SMA/F-R MHF4L/113 BLK L300mm (Wi-Fi)	2
	1751000460-01	Dipole Ant. WiFi 6E SMA/M-R BLK L111.7mm IP54 (Wi-Fi)	2
5G	AIW-356-DQ	5G Sub6+GNSS M.2 3052 Key B (by region)	1
	1751000623-01	Cable Ant. SMA/F MHF4L/113 BLK L300mm (5G)	4
	1750009372-01	Ant.SMA/M 90/180 5G BLK 167mm RG178 (5G)	4
AC/DC Adapter	96PSA-A120W24T2-4	ADP A/D 100-240V 120W 24V C14 CORD END 62368	1
	1702002600	Power Cord UL 3P 15A 125V C13 183 cm (US)	1
	1702002605	Power Cord EU 3P 10A 250V C13 183cm (EU)	1
Power Cord	1702031801	Power Cord BSI 3P 10A 250V C13 183cm (UK)	1
	1700029019-01	Power Cord (PSE/BSMI), 3-pin, 7A, 125V, 1.8 M, DAC-ST01	1
	1700000596-11	Power Cord CCC 3P 10A 250V C13 183cm (China)	1
TPM	PCA-TPMSPI-00A1	PCA-TPMSPI-00A1	1
	1700019116	COM port / CANBus cable	1
Cable	1700027920-01	Audio port cable (1 x Line-In + 1 x Mic)	1
	MIC-FG-4G2C1	4CH GMSL2 frame grabber with FAKRA	1
GMSL	1751000805-01	RF Cable FAKRA-Z/F FAKRA-Z/F KS302 BLK L15M	by camera quantity
	1960095312N001	DIN Rail bracket	1
Bracket			