

EVO ONX 规格书

简介Brief

米文EVO ONX 是一款专为工业场景设计的嵌入式边缘计算设备，可提供70/100 Tops计算能力。设备采取高效能的被动散热设计，可以在苛刻的工业环境中稳定运行，紧固的嵌入式设计，可以达到很高的抗振等级。产品提供了丰富的I/O接口及扩展接口，可以满足多种传感器的接入需求。

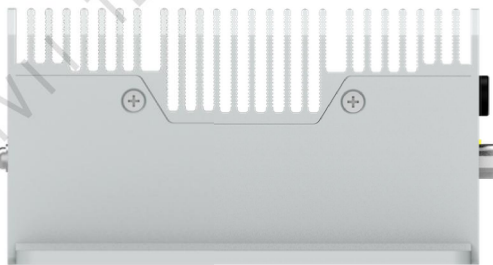


产品外观

正视图



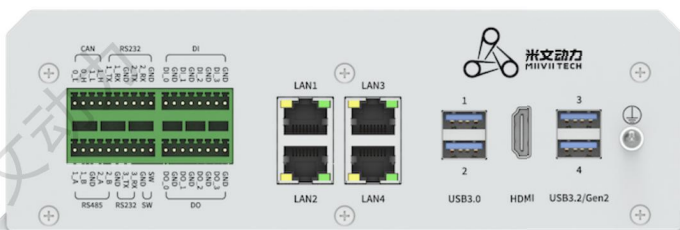
侧视图



俯视图



后视图



产品特性

- 高效能被动散热
- 5路独立千兆网口
- IP 5X 防护等级
- 3Grms抗震等级
- 25°C-60°C工作温度
- 丰富的接口与可扩展性

产品规格

处理器模组

类型	规格	
处理器芯片	Jetson Orin NX 8GB	Jetson Orin NX 16GB
算力	70 INT8 Sparse TOPs	100 INT8 Sparse TOPs
GPU	NVIDIA Ampere Architecture with 1024 NVIDIA CUDA cores and 32 Tensor cores Maximum Operating Frequency: 765 MHz	NVIDIA Ampere Architecture with 1024 NVIDIA CUDA cores and 32 Tensor cores Maximum Operating Frequency: 918 MHz
CPU	6-core NVIDIA A78 CPU	8-core NVIDIA A78 CPU
内存	8 GB 128-bit LPDDR5 DRAM	16 GB 128-bit LPDDR5 DRAM

深度学习加速器	1x NVDLA Engines,v2 (20 TOPs)	2x NVDLA Engines,v2 (20 TOPS each)
存储空间	No on-module storage. Connect to external NVMe	
视频编码	1x 4K60 (H.265) 3x 4K30 (H.265) 6x 1080p60 (H.265) 12x 1080p30 (H.265)	
视频解码	1x 8K30 (H.265) 2x 4K60 (H.265) 4x 4K30 (H.265) 9x 1080p60 (H.265) 18x 1080p30 (H.265)	

接口

	Interface	Quantity	Note
Power KEY	Power Button	1	
Function KEY	Recovery/Reset Button	1	
Network/Camera	Ethernet	5×Gigabit Port	5 independent Gigabit Ethernet port RJ45
Video output	HDMI	1×HDMI 2.0 TYPE A	5V 1A
USB	USB	2×USB 3.2 TYPE A 2×USB 3.1 TYPE A 1×USB 2.0 TYPE C	USB 5V, 1A USB Type C Flashing Port
I/O	UART	1xRS485/422 DB9 1xRS232 with debug 3x RS232 2xRS485	DB9 Terminal debug (RS232level signal)
	GPIO	4x DI 4x DO	
	CAN	2x CAN FD	
User Expansion	M.2	1xM.2 E Key	WIFI
	M.2	1×M.2 M Key	2280 SIZE NVME SSD
	M.2	1×M.2 B Key	For 4G/5G
	Nano SIM Socket	2	

供电 Power Supply

Power Supply	Spec
Input Type	DC
Input Voltage	Wide input 9-36V

结构

Mechanical	Spec
Dimensions (W×D×H)	227mm×120mm×64.6mm (I/O ports excluded)
Weight	1.8Kg

环境

Environmental	Spec
Operating Temperature	-25°C-60°C
Storage Temperature	-40°C-80°C
Storage Humidity	10%-90% non-condensing
Vibration	3 Grms,10Hz~500Hz,1h/axis
Protection	IP5X
ESD	Touch 6KV, Air 8KV

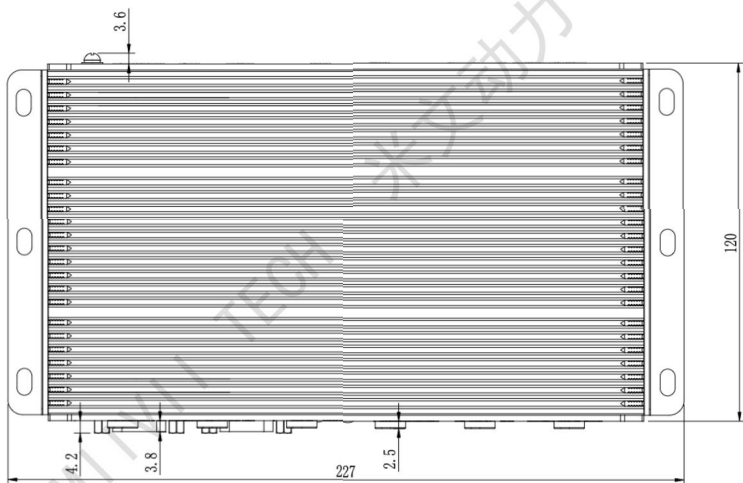
认证

Certification	Status
CCC, CE, FCC, RoHS	Processing

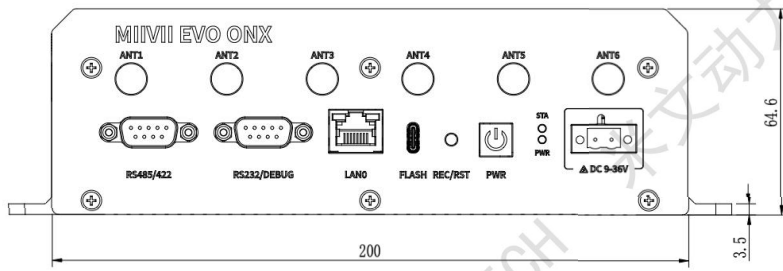
尺寸及安装

EVO ONX 主体尺寸及安装孔位尺寸如图:(Unit:mm)

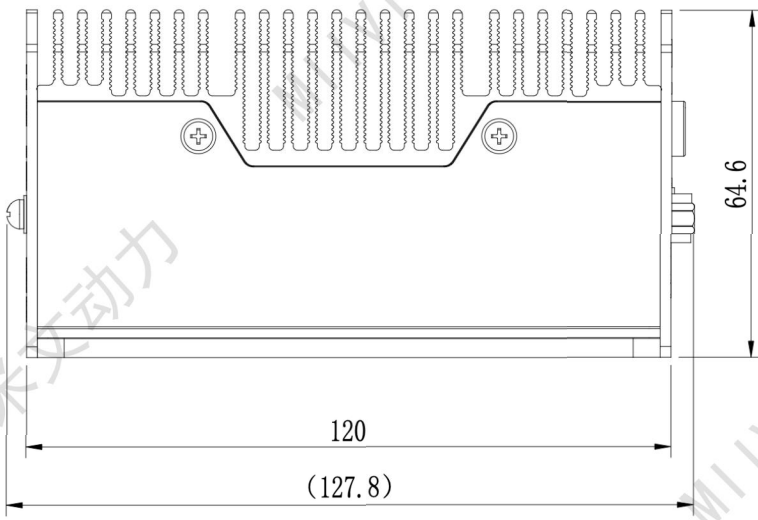
俯视图



主视图



右视图



安装孔位图

