

EVO NX Spec

- EVO NX 简介 Brief
- 特性 Features
- 产品规格 Specifications
 - 处理器模组 Processor
 - 接口 I/O
 - 供电 Power Supply
 - 结构 Mechanical
 - 环境 Environmental
 - 认证 Certification
- 产品外观 Appearance
- 尺寸及安装 Install Dimension

EVO NX 简介 Brief

米文EVO NX 是一款专为智能图像分析设计的嵌入式人工智能计算机，能够为众多终端设备赋予高达21Tops的计算力。EVO NX提供高效能的被动散热设计，能够在宽温的工作条件下稳定运行。同时EVO NX可以满足抗振防雷等工业标准，为整体方案的安全稳定保驾护航。EVO NX内部设计了多种扩展接口，提供更多通讯以及存储扩展方案。

MIIVII EVO NXis an embedded AI supercomputer. It delivers massive computing capabilities and essential features to terminal devices. High performance passive cooling design enables EVO NXworking in wide temperature range. With shock resistance and TVS, ESD protection, EVO NXis suitable for industrial usage.EVO NXhas a variety of extension interfaces designed internally to provide more communication and storage expansion options.

特性 Features

- 高效被动散热设计

High performance passive cooling

- 25℃-60℃工作温度

-25℃-60℃ Operating temperature

- IP5X防护等级

IP5X Protection

- 工业级防静电

Industrial static protection

产品规格 Specifications

处理器模组 Processor

	Specification
Processor	NVIDIA Jetson Xavier NX

AI Performance	Up to 21T OPS	
CPU	6-Core NVIDIA Carmel ARM®v8.2 64 bit CPU 6MB L2 + 4MB L3	
GPU	384-Core Volta GPU with 48 Tensor Core	
Memory	8GB 128-Bit LPDDR4x 59.7GB/s	16 GB 128-bit LPDDR4x 59.7GB/s
DL Accelerator	2×NV DLA Engines	
Storage	16GB eMMC 5.1	
Video Encode	2x 4Kp30 6x 1080p60 14x 1080p30 (H.265 & H. 264)	
Video Decode	2x 4Kp60 4x 4Kp30 12x 1080p60 32x 1080p30 (H.265) 2x 4Kp30 6x 1080p60 16x 1080p30 (H.264)	

接口 I/O

	Interface	Quantity	Note
Function KEY	Recovery 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	4×USB 3.0 TYPE A 1×USB 2.0 TYPE C	USB 5V, 1A USB Type C Flashing Port
I/O	UART	1xRS485 1xRS232 with debug	DB9 Terminal debug （RS232 level signal ）
User Expansion	TF Socket	1xTF	MicroSD card supported
	M.2	1×M.2 M Key	2280 SIZE NVME SSD
	Mini PCIE	1×Mini PCIE	For 4G
	Nano SIM Socket	1	

供电 Power Supply

Power Supply	Spec
Input Type	DC
Input Voltage	Wide input 9V-36V DC
Typical Consumption	20W

结构 Mechanical

Mechanical	Spec
Dimensions (W×H×D)	178mm×55mm×110mm (I/O ports and mounting holes excluded)
Weight	1.2Kg

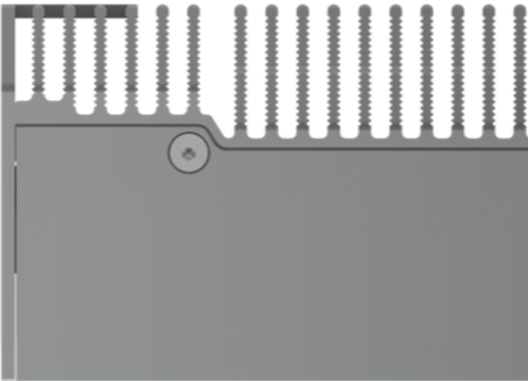
环境 Environmental

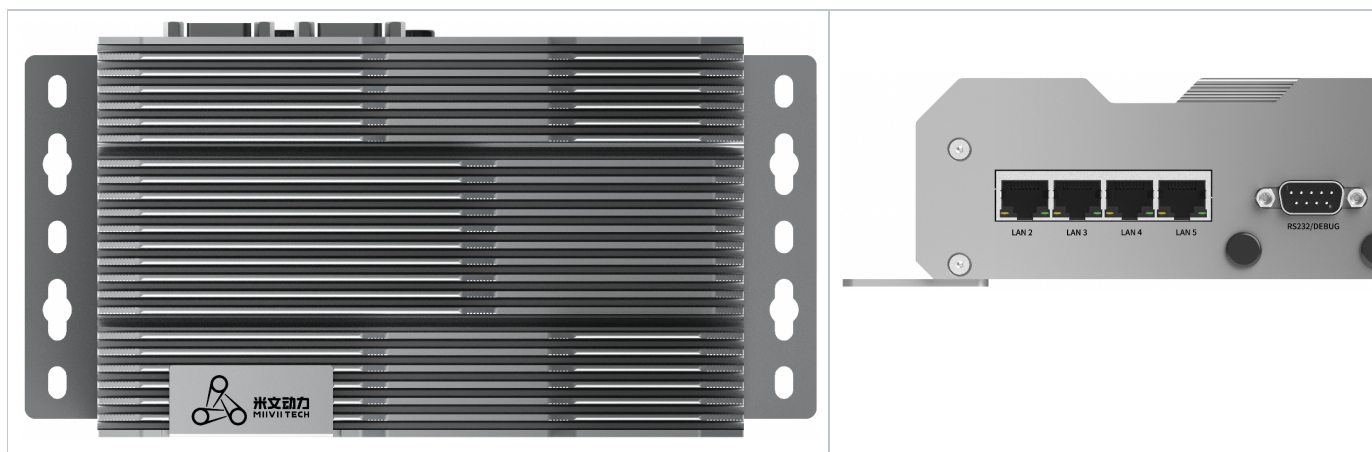
Environmental	Spec
Operating Temperature	-25°C-60°C, 0.2~0.3m/s air flow
Storage Temperature	-40°C-80°C
Storage Humidity	10%-90% non-condensing
Vibration	3Grms,10Hz~500Hz,1h/axis
Protection	IP5X
ESD	Touch 6KV, Air 8KV

认证 Certification

Certification	Status
CCC, CE, FCC, RoHS, SRRC	Processing

产品外观 Appearance

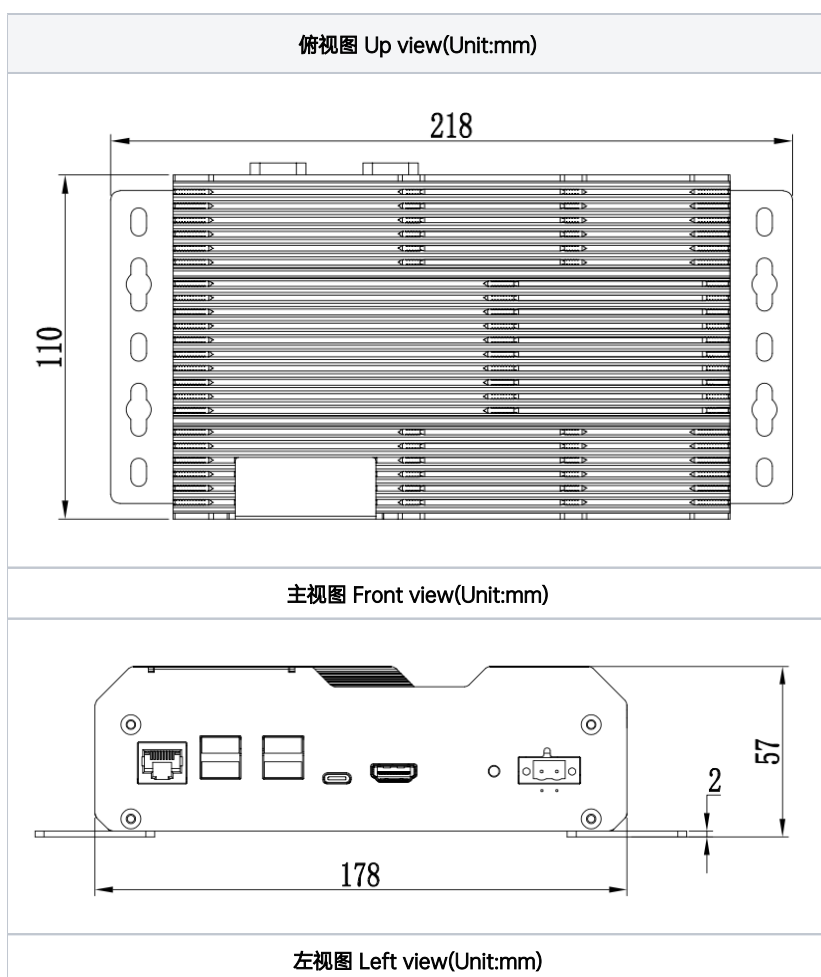
正视图 Front view	侧视图 Side view
	
俯视图 Top view	后视图 rear view

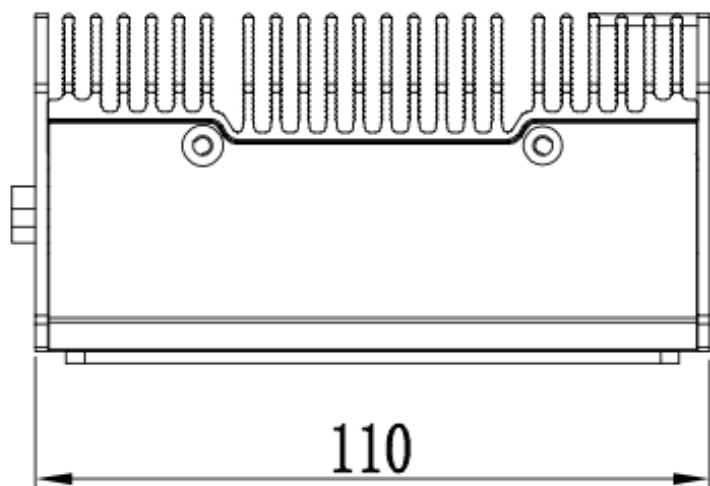


尺寸及安装 Install Dimension

EVO NX主体尺寸及安装孔位尺寸如图:

Dimensions and mounting hole position as below:





安装孔位图 Mounting Hole(Unit:mm)

