

EVO XAVIER II 规格书

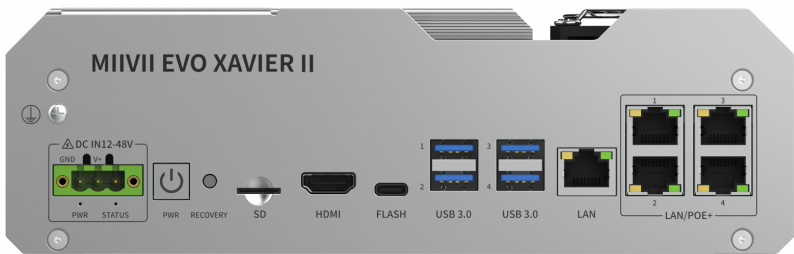
简介Brief

米文EVO Xavier II是一款专为工业场景设计的嵌入式边缘计算设备。它搭载的NVIDIA® Jetson AGX Xavier II能够以30W的低功耗提供高达 30Tops的算力。EVO Xavier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正常工作。同时鉴于其紧固的嵌入式设计，可以达到很高的抗振等级。EVO Xavier II提供了丰富的I/O功能，特别为工业视觉场景提供了独立千兆网口与隔离DI/DO等接口，可以满足多种专用传感器的接入需求。同时EVO Xavier II还在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。

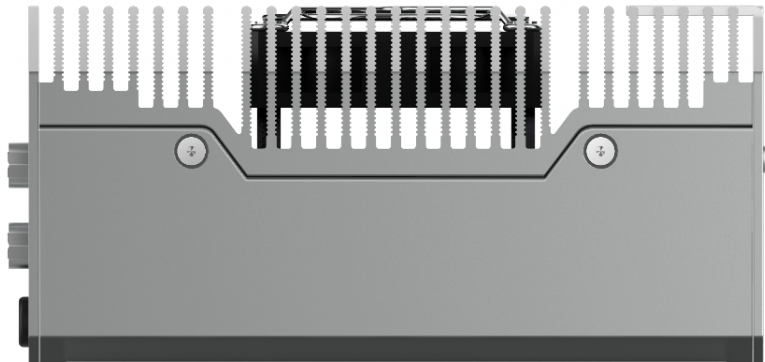


产品外观

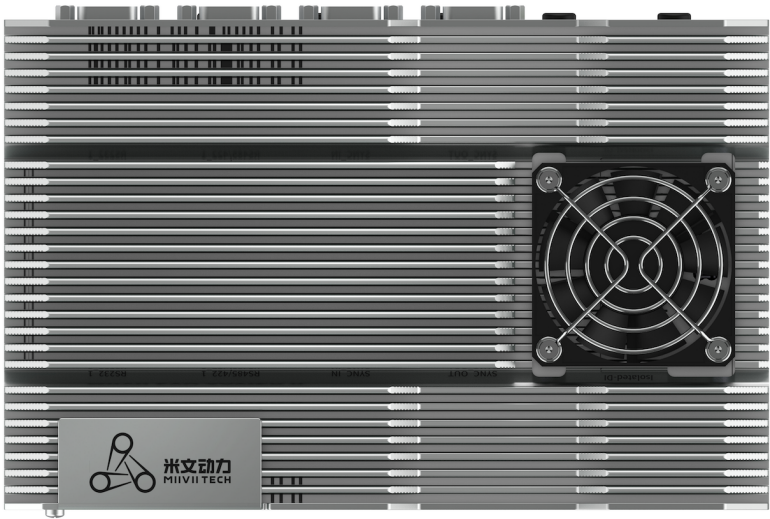
正视图



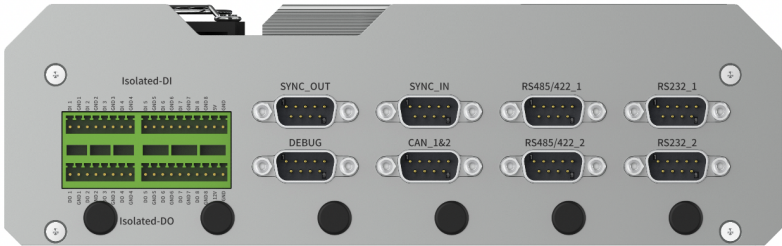
侧视图



俯视图



后视图



特性

- 高效主、被动散热
- IP5X防护等级满足工业场景需求
- 5路独立千兆网口，支持IEEE 802.3af POE 选配
- 高抗震等级
- -20℃-60℃工作温度
- 丰富的接口与可扩展性

产品规格

处理器模组

	Specification
Processor	NVIDIA Jetson AGX Xavier
AI Performance	Up to 32T OPS
CPU	8-core ARM v8.2 64-bit CPU
GPU	512-core Volta GPU
Memory	32GB 256-Bit LPDDR4 ¹
DL Accelerator	2×NV DLA Engines
Storage	32GB eMMC 5.1

Video Encode	4x 4Kp60 8x 4Kp30 16x 1080p60 32x 1080p30 (H.265) 4x 4Kp60 8x 4Kp30 14x 1080p60 30x 1080p30 (H.264)
Video Decode	2x 8Kp30 6x 4Kp60 12x 4Kp30 26x 1080p60 52x 1080p30 (H.265) 4x 4Kp60 8x 4Kp30 16x 1080p60 32x 1080p30 (H.264)



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Jetson AGX Xavier DRAM内存规格由16GB提升到32GB。

接口

	Interface	Quantity	Note
Function KEY	Power Button	1	
	Recovery Button	1	
Network/Camera	Ethernet	5×Gigabit Port	Optional: 4×PoE+ , IEEE 802.3 af PoE 15.4W (max)
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 2.0 Flashing Port
I/O	UART	3xRS232 2xRS485 1xDebug	DB9 Terminal RS232_sync FOR GPS Time Synchronize
	SYNC I/O	1×SYNC_IN 1×PPS_OUT 2×SYNC_OUT	1 x pps in with TTL , UART with RS232 1 x pps out with TTL , UART with RS232 2 x Sync out with TTL
	CAN	2	Two CAN in One DB9 Terminal With CAN chip, terminal resistor 120
	GPIO	8xDI opo- isolator 8xDO opo- isolator Output Voltage 1x DC5V 1A、1xDC 12V 1A (Input Voltage Need 14-48V)	DI 5-48V DC DO 3.3-48V DC
User Expansion	TF Socket	1xTF Slot	MicroSD card supported

	M.2	1×M.2 M Key	M.2 M Key2280 SIZE NVME SSD
		1×M.2 B Key	M.2 B Key For 5G
	Mini PCIe	2	For WIFI or 4G expansion
	Nano SIM Socket	4	For Nano SIM Card

供电

Power Supply	Spec
Input Type	DC
Input Voltage	Wide input 12-48V24-48V for PoE(Optional)
Typical consumption	50W

结构

Mechanical	Spec
Dimensions (W×H×D)	226mm×70mm×144.5mm (I/O ports and mounting holes excluded)
Weight	2.3Kg

环境

Environmental	Spec
Operating Temperature	-20°C-60°C
Storage Temperature	-25°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

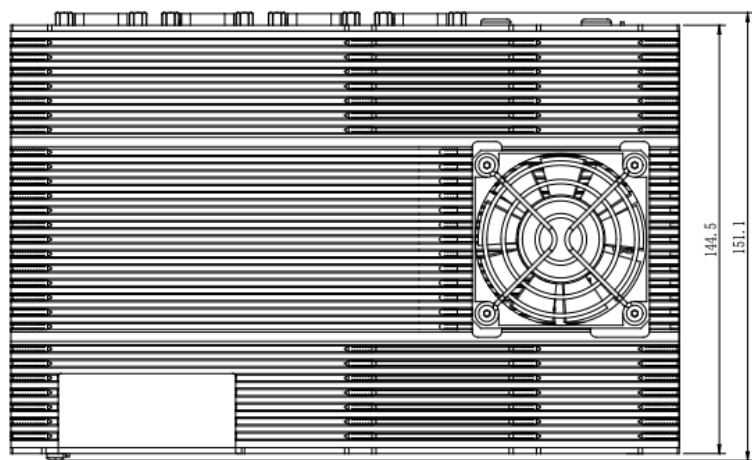
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According to GB/T 2423-2008 60°C以上运行时，运行频率降低

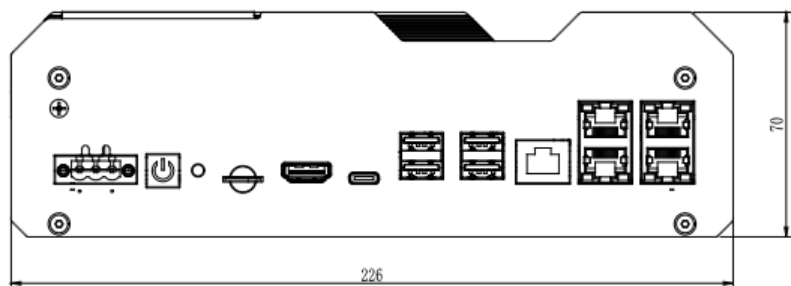
尺寸及安装

EVO Xavier II主体尺寸及安装孔位尺寸如图:(Unit:mm)

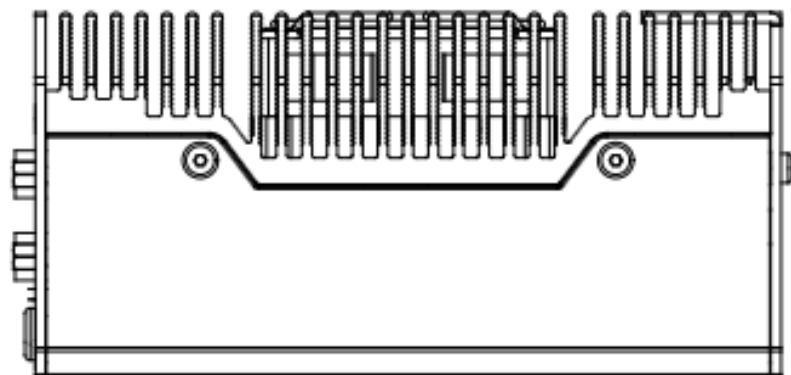
俯视图



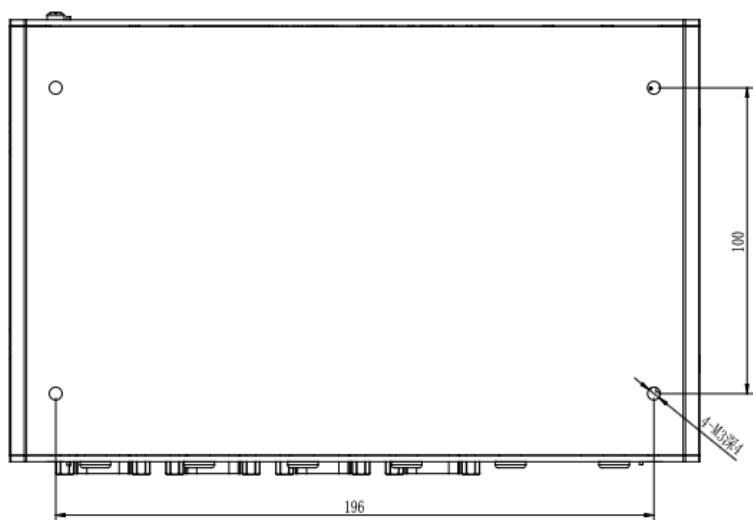
主视图



左视图



安装孔位图1



安装孔位图2

