

Lite TX2 NX II Spec

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Lite TX2 NX II简介 Brief

米文Lite TX2 NX II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1.33 TFLOPS的计算力。Lite TX2 NX II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Lite TX2 NX II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。Lite TX2 NX II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 Lite NX II is an embedded AI supercomputer. It delivers massive computing capabilities and essential features to terminal devices. High performance passive cooling design enables Lite NX II working in wide temperature range. With shock resistance and TVS, ESD protection, Lite NX II is suitable for industrial usage.Lite NX II has 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°C-60°C工作温度

-25°C-60°C 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 TX2 NX
AI Performance	Up to 1.33 TFLOPS
CPU	Dual-core Denver 2 64-bit CPU and quad-core ARM A57 complex

GPU	256 CUDA cores Pascal™ architecture
Memory	4 GB 128 bit LPDDR4 1600 MHz –51.2GB/s
Storage	16GB eMMC 5.1
Video Encode	1x 4Kp60 3x 4Kp30 4x 1080p60 8x 1080p30 (H.265) 1x 4Kp60 3x 4Kp30 7x 1080p60 14x 1080p30 (H.264)
Video Decode	2x 4Kp60 4x 4Kp30 7x 1080p60 14x 1080p30 (H.265 & H.264)

接口 I/O

	Interface	Quantity	Note
Function Key	Recovery Button	1	
Network/Camera	Ethernet	2×Gigabit Port	2 independent Gigabit Ethernet port RJ45
Video output	HDMI	1×HDMI 2.0 TYPE A	5V 1A
USB	USB	1×USB 3.0 TYPE A 1×USB 2.0 TYPE A	USB 5V, 1A Lower USB as a Flashing Port
I/O	UART	1×RS232	DB9 Terminal
User Expansion	TF Socket	1×TF Slot	MicroSD card supported
	SATASocket	1×SATA3.0	With universal power interface, Harddiskpreparedbycustomer.
	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	12V DC
Typical consumption	20W

结构 Mechanical

Mechanical	Spec
Dimensions (W×H×D)	178mm×55mm×110mm (I/O ports and mounting holes excluded)
Weight	880g

环境 Environmental

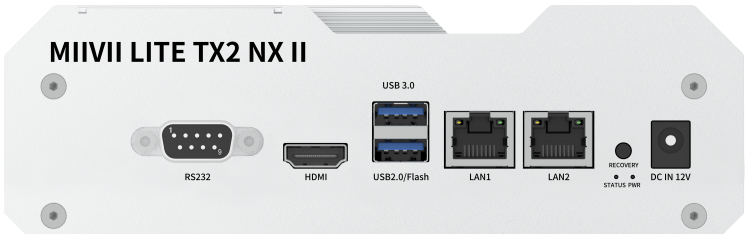
Environmental	Spec
Operating Temperature	-25℃-60℃, 0.2~0.3m/s air flow ¹
Storage Temperature	-40℃-80℃
Storage Humidity	10%-90% non-condensing
Vibration	1Grms,10Hz~500Hz,one hour/axis,3 axis
Protection	IP5X
ESD	Touch 6KV, Air 8KV
TVS	1KV

认证 Certification

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

[1]According to GB/T 2423-2008

产品外观 Appearance

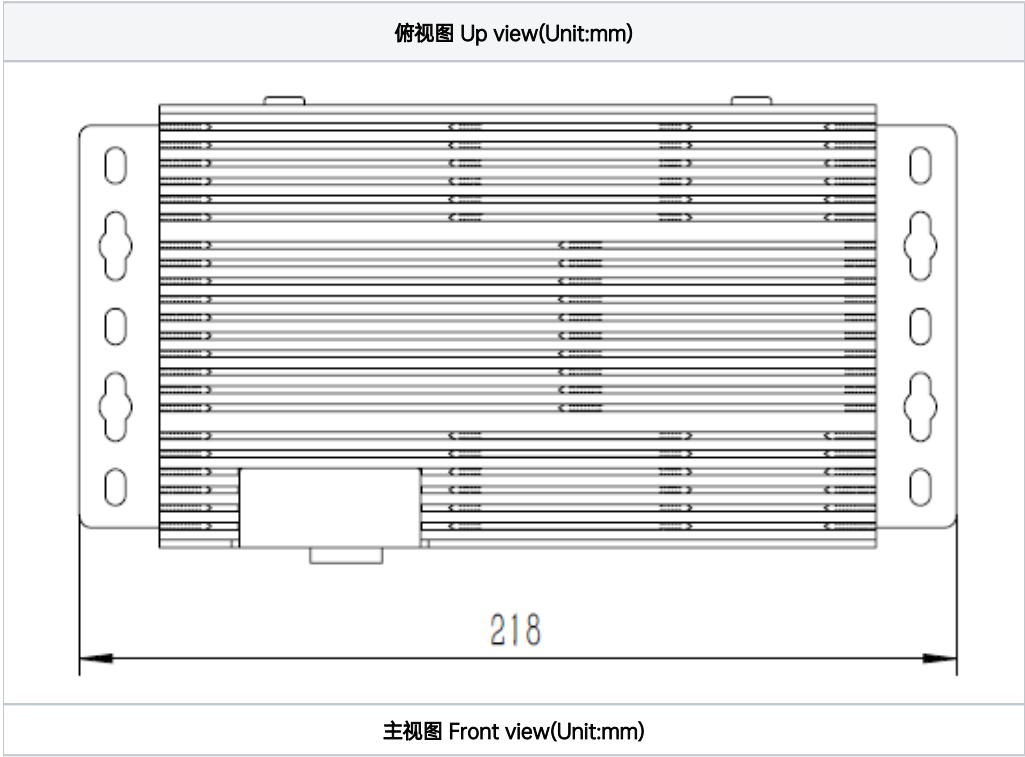
正视图 Front view	
	
俯视图 Top view	

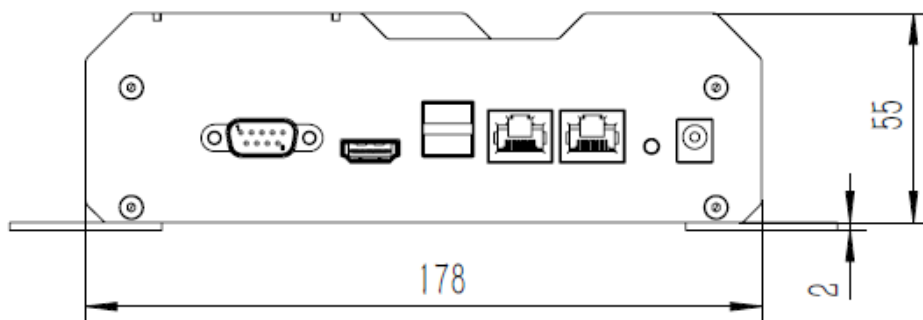


尺寸及安装 Install Dimension

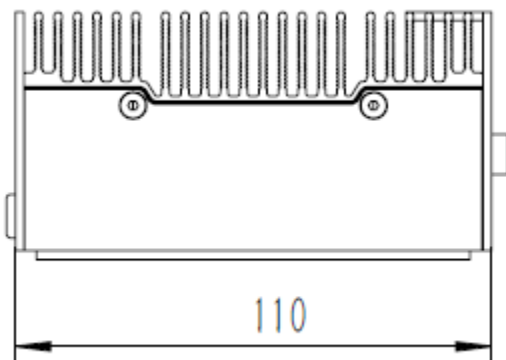
Lite TX2 NX II主体尺寸及安装孔位尺寸如图:

Dimensions and mounting hole position as below:

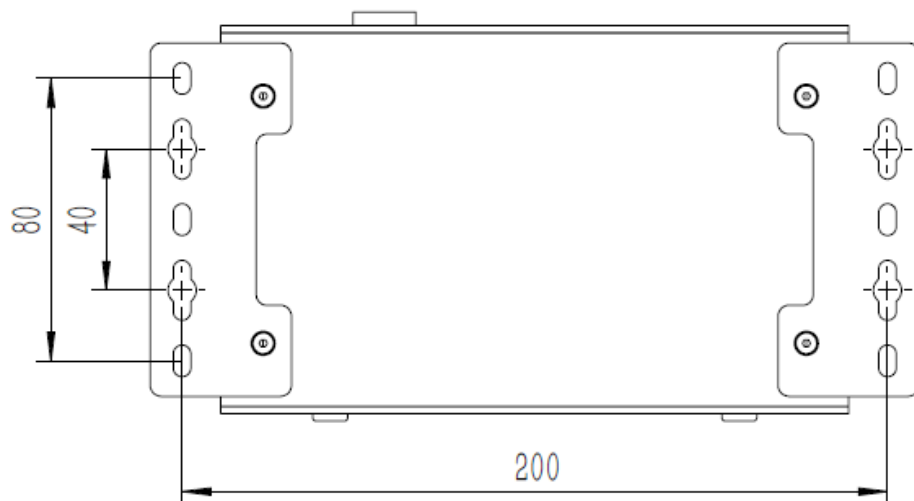




左视图 Left view(Unit:mm)



安装孔位图1 Mounting Hole(Unit:mm)



安装孔位图2 Mounting Hole(Unit:mm)

