

# Lite TX2 NX Mini Spec

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## Lite TX2 NX Mini简介 Brief

米文Lite TX2 NX Mini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 Mini提供高效能的主动散热设计，具有抗冲击和防静电保护。同时Lite TX2 NX Mini体积小巧，接口丰富。

MiiVii Lite TX2 NX Mini is an embedded AI supercomputer. It delivers massive computing capabilities and essential features to terminal devices. High performance passive cooling design, with shock resistance and ESD protection. In addition, Lite TX2 NX Mini is small-sized but multifunctional.

## 特性 Features

- 高效主动散热设计

*High performance Active cooling*

- 0°C-45°C工作温度

*0°C-45°C Operating temperature*

- 工业级防静电

*Industrial static protection*

- 体积小高性能

*Small size And High performance*

## 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

<b>Memory</b>	4 GB 64 bit LPDDR4 1600 MHz –51.2GB/s
<b>Storage</b>	16GB eMMC 5.1
<b>Video Encode</b>	1x 4Kp60 3x 4Kp30 4x 1080p60 8x 1080p30 (H.265)  1x 4Kp60 3x 4Kp30 7x 1080p60 14x 1080p30 (H.264)
<b>Video Decode</b>	2x 4Kp60 4x 4Kp30 7x 1080p60 14x 1080p30 (H.265 & H.264)

## 接口 I/O

	Interface	Quantity	Note
Function Key	Power Button	1	
	Recovery Button	1	
	Reset Button	1	
Network	Ethernet	1xGigabit Port	RJ45
Video output	HDMI	1xHDMI 2.0 TYPE A	5V 1A
USB	USB	1xUSB 3.0 TYPE A 1xUSB 2.0 TYPE A 1xUSB 2.0 Micro USB	USB 5V, 1A Micro USB as a Flashing Port
I/O	UART	1xRS232 1xTTL	TTL 3.3V
	GPIO	3xDI 2xDO	3.3V
	CAN	1	With CAN chip terminal resistor 120
	I2C	1	
User Expansion	M.2	1xM.2 M Key	2242 NVME SSD

## 供电 Power Supply

Power Supply	Spec
Input Type	DC
Input Voltage	12V DC
Typical consumption	18W

## 结构 Mechanical

Mechanical	Spec
Dimensions (W×H×D)	110mm×62.4mm×65mm
Weight	350g

## 环境 Environmental

Environmental	Spec
Operating Temperature	0°C-45°C, 0.2~0.3m/s air flow <sup>1</sup>
Storage Temperature	-25°C-80°C
Storage Humidity	10%-90% non-condensing
Vibration	5gn,10Hz~150Hz,3 Axis <sup>2</sup>
ESD	Touch 4KV, Air 8KV <sup>3</sup>
TVS	1KV

## 认证 Certification

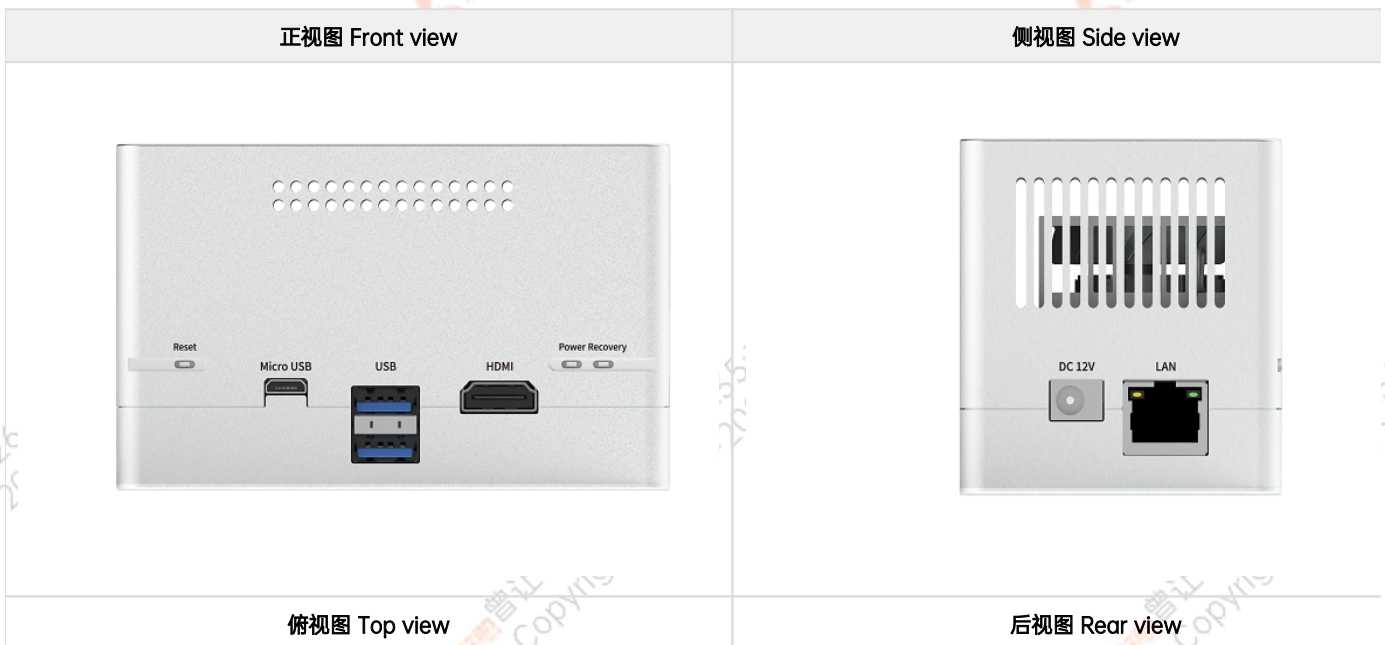
Certification	Status
CCC, CE, FCC, RoHS, SRRC	Processing

[1] According to GB/T 2423-2008

[2] According to GB/T 2423.10-2008

[3] According to IEC 61000-4-2, Level 3

## 产品外观 Appearance

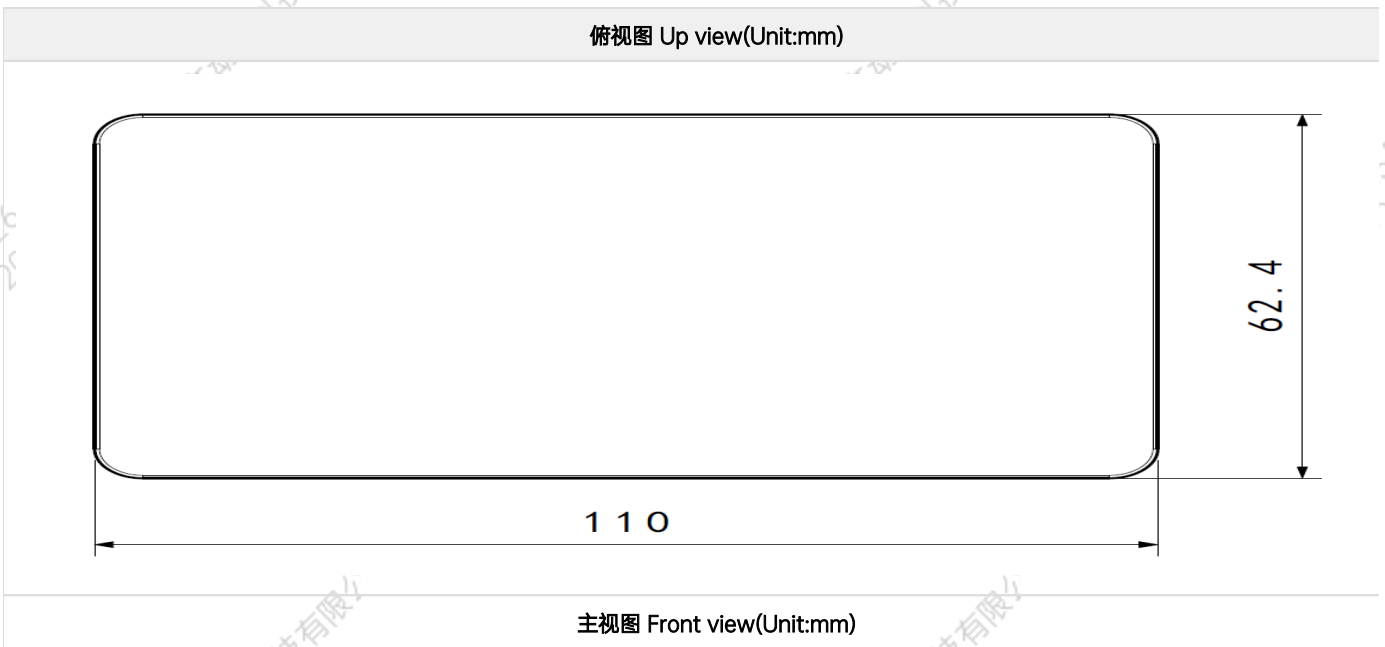




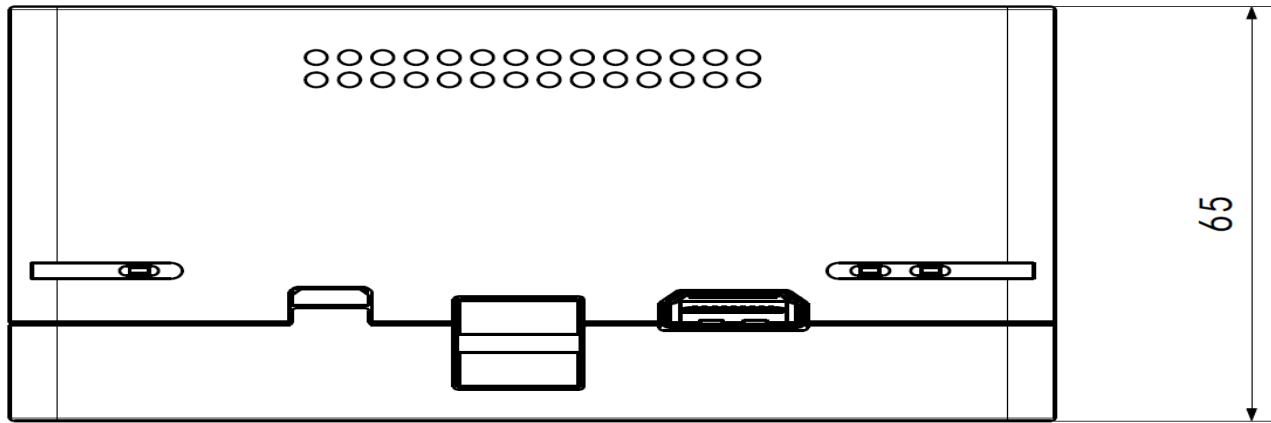
## 尺寸及安装 Install Dimension

Lite TX2 NX Mini 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 Mounting Hole(Unit:mm)

