

Lite Nano Mini Spec

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简介 Brief

米文Lite Nano 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0.5 TFLOPS(FP16)的计算力。Lite Nano 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 Nano MINI体积小，接口丰富。

MiiVii Lite Nano 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 Nano 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 Nano
AI Performance	Up to 472GFLOPS
CPU	Four Core ARM® Cortex®-A57 MPCore
GPU	NVIDIA Maxwell™ Structure 128-Core NVIDIA CUDA® Core
Memory	4 GB 64 bit LPDDR4 1600 MHz – 25.6 GB/s
Storage	16GB eMMC 5.1
Video Encode	1x 4Kp30 2x1080p60 4x1080p30 4x720p60 9x720p30 (H.265 & H.264)
Video Decode	1x 4K60 2x 4K30 4x 1080p60 8x 1080p30 9x 720p60 (H.265 & H.264)

接口 I/O

	Interface	Quantity	Note
Function Key	Power Button	1	
	Recovery Button	1	
	Reset Button	1	
Network	Ethernet	1×Gigabit 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 1×USB 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
	I2C	1	
User Expansion	M.2	1×M.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 ¹
Storage Temperature	-25°C-80°C
Storage Humidity	10%-90% non-condensing
Vibration	5gn,10Hz~150Hz,3 Axis ²
ESD	Touch 4KV, Air 8KV ³
TVS	1KV

认证 Certification

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

[1] According to GB/T 2423-2008

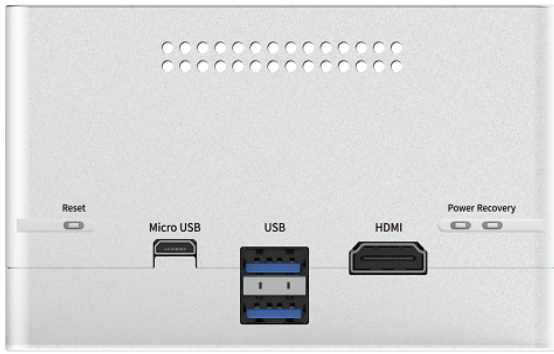
[2] According to GB/T 2423.10-2008

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

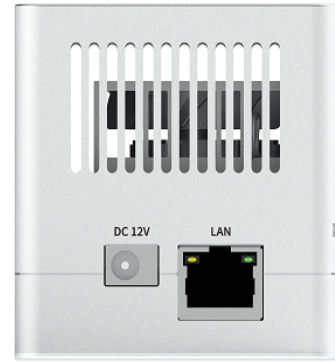
产品外观 Appearance

正视图 Front view

侧视图 Side view



俯视图 Top view



后视图 Rear view

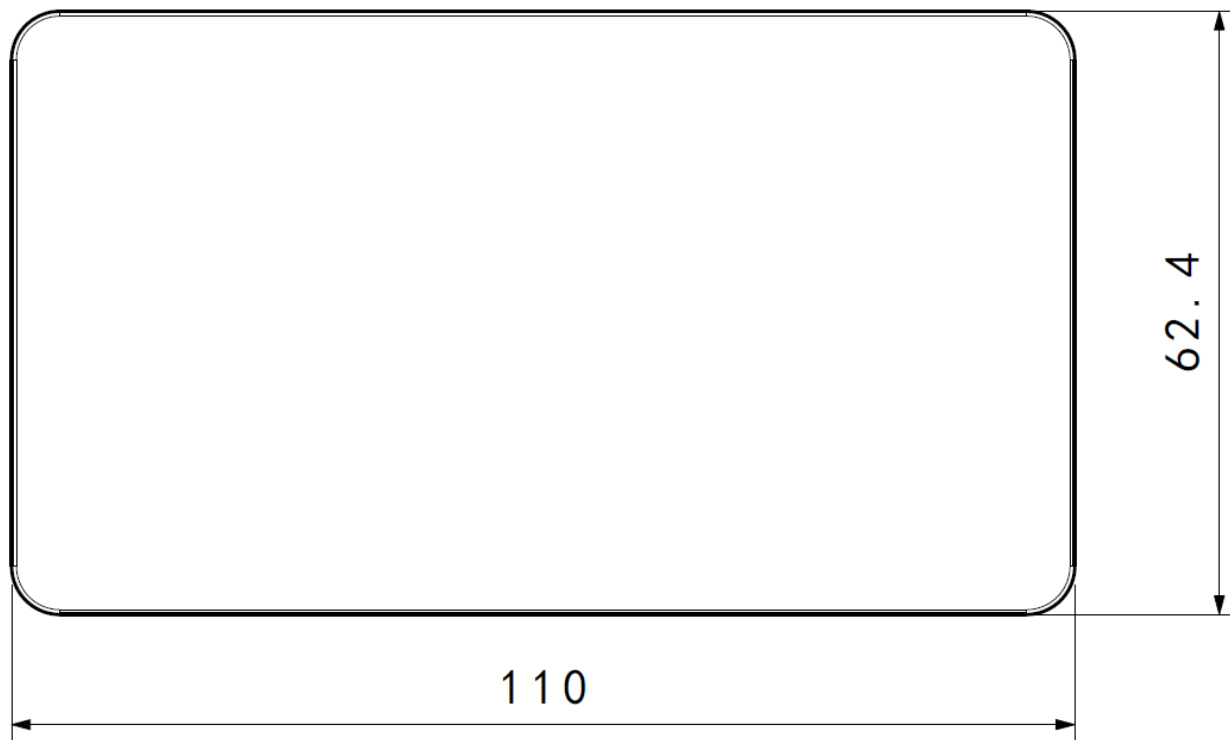


尺寸及安装 Install Dimension

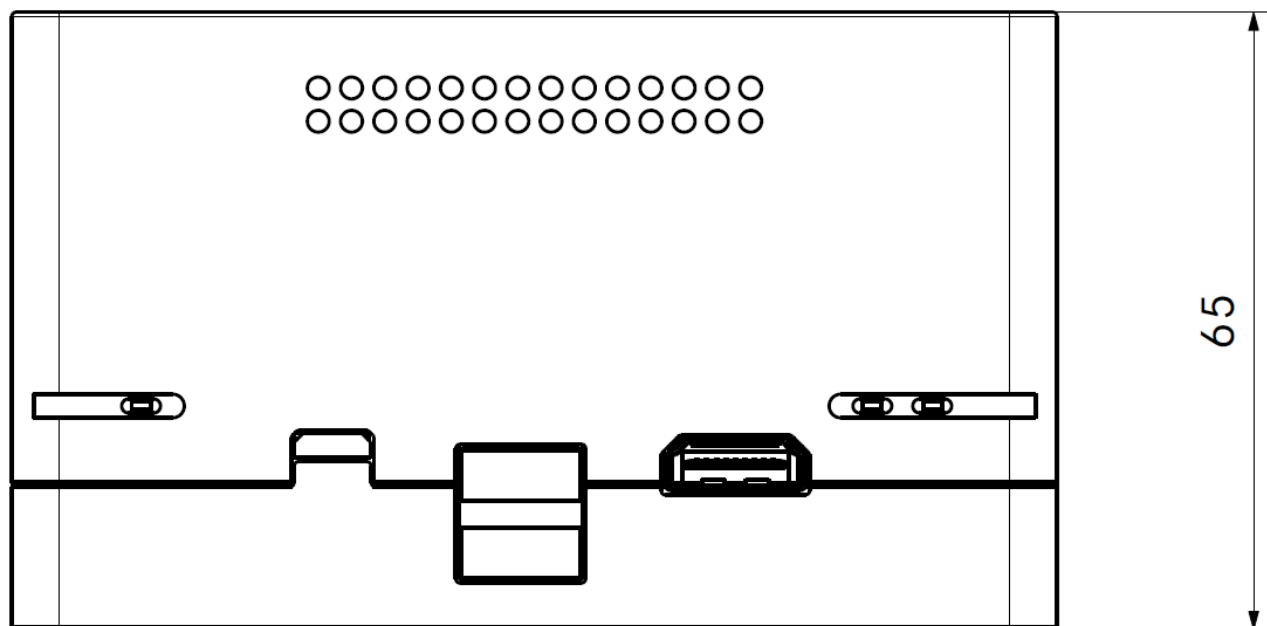
Lite Nano MINI主体尺寸及安装孔位尺寸如图:

Dimensions and mounting hole position as below:

俯视图 Up view(Unit:mm)



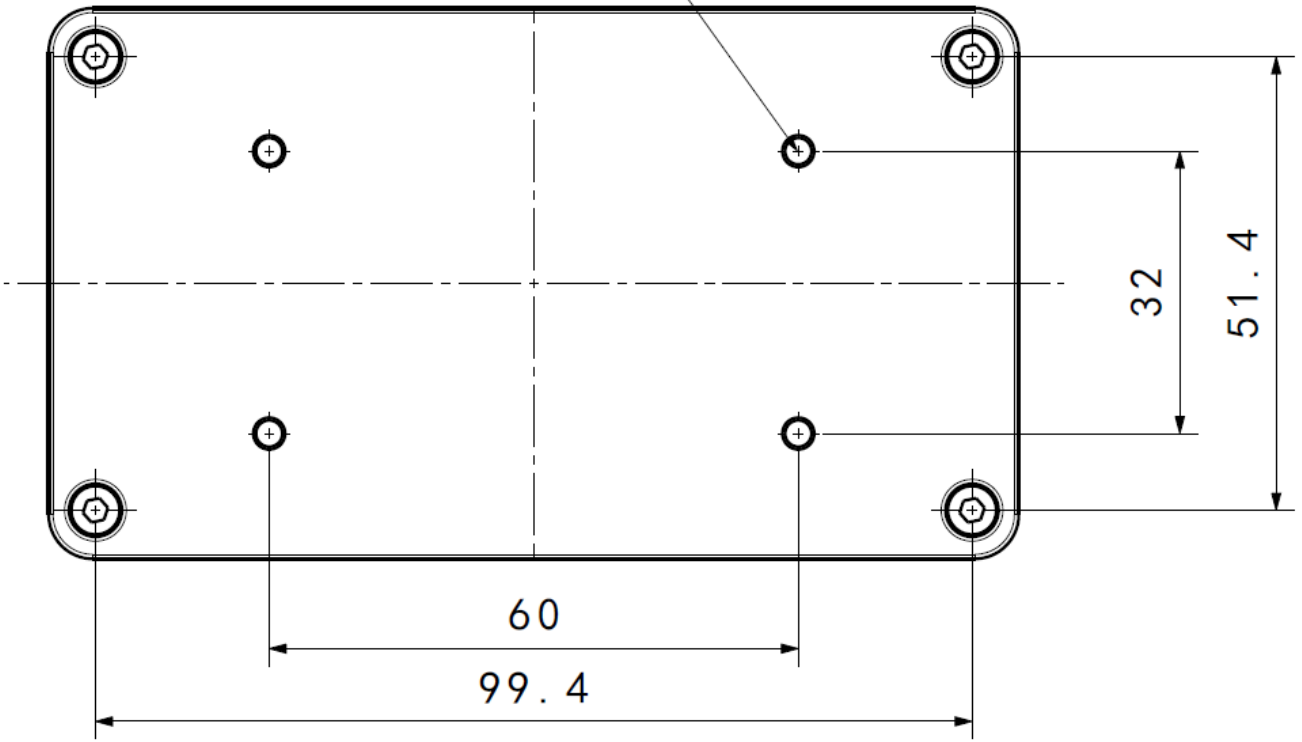
主视图 Front view(Unit:mm)



左视图 Left view(Unit:mm)

安装孔位图 Mounting Hole(Unit:mm)

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