

Lite NX Mini Spec

- Lite NX Mini Brief
- Features
- Specifications
 - Processor
 - I/O
 - Power Supply
 - Mechanical
 - Environmental
 - Certification
- Appearance
- Install Dimension

Lite NX Mini Brief

Lite NX MINI21TopsLite NX MINILite NX MINI

MiiVii Lite 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 NX MINI is small-sized but multifunctional.



Features

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| *High performance Active cooling*

- 0-45

| *0-45 Operating temperature*

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| *Industrial static protection*

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| *Small size And High performance*

Specifications

Processor

Processor	NVIDIA Jetson Xavier NX
CPU	6-Core NVIDIA Carmel ARM@v8.2 64-bit CPU 6MB L2 + 4MB L3

GPU	384-Core Volta GPU with 48 Tensor Cores
Memory	8GB 128-Bit LPDDR4x 51.2GB/s
DL Accelerator	2xNV DLA Engines
Storage	16GB eMMC 5.1

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	2xDI 3xDO	3.3V
	CAN	1	With CAN chip terminal resistor 120
	I2C	1	
User Expansion	M.2	1xM.2 M Key	2242 NVME SSD

Power Supply

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

Mechanical

Mechanical	Spec
Dimensions (WxHxD)	110mmx62.4mmx65mm
Weight	350g

Environmental

Environmental	Spec
Operating Temperature	0-45, 0.2~0.3m/s air flow ¹
Storage Temperature	-25-80
Storage Humidity	10%-90% non-condensing
Vibration	5gn,10Hz~150Hz,3 Axis ²

ESD	Touch 4KV, Air 8KV ³
TVS	1KV

Certification

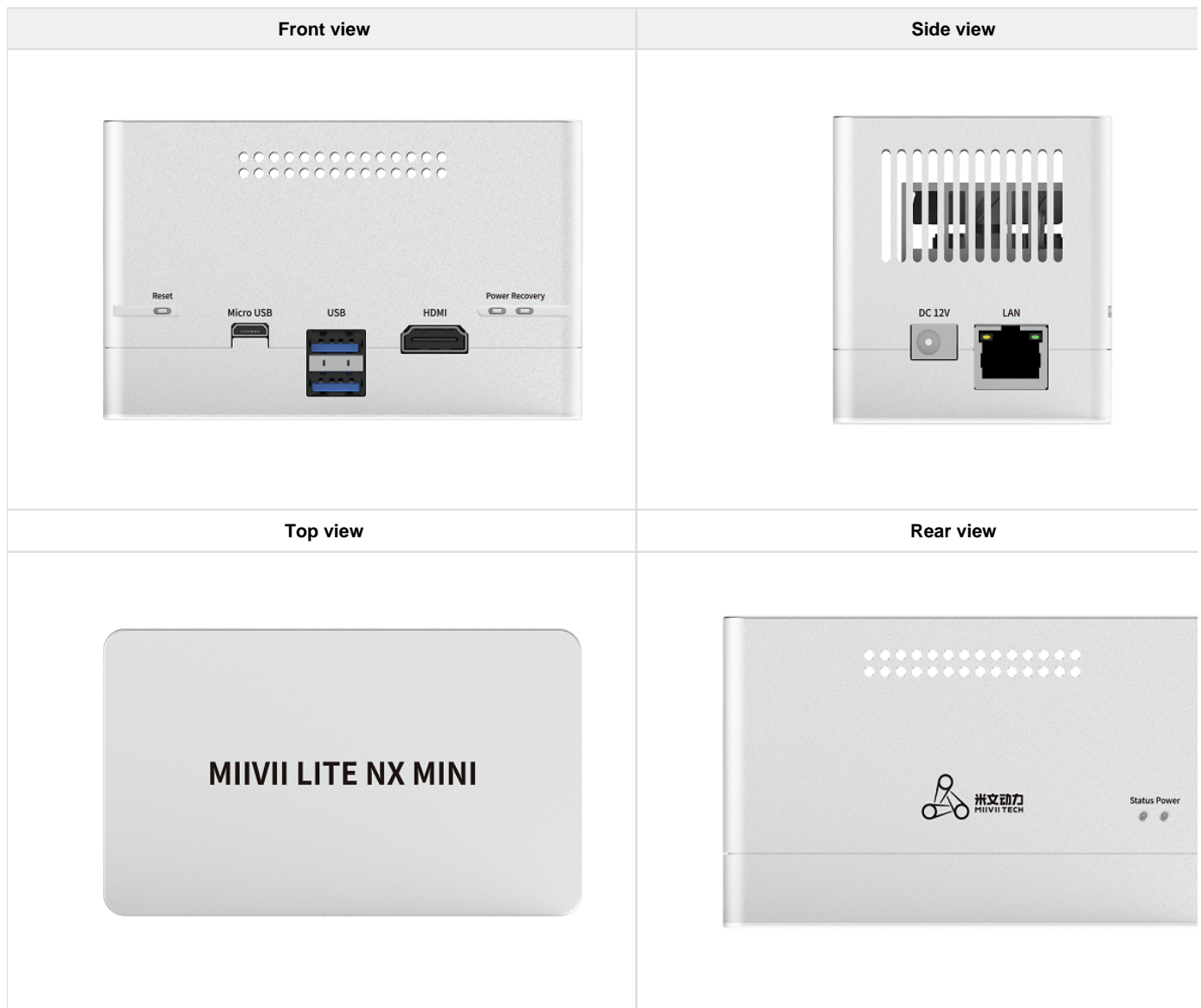
Certification	Status
CCC, CE, FCC, RoHS, SRRC	Processing

[1] According to GB/T 2423-2008

[2] According to GB/T 2423.10-2008

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

Appearance

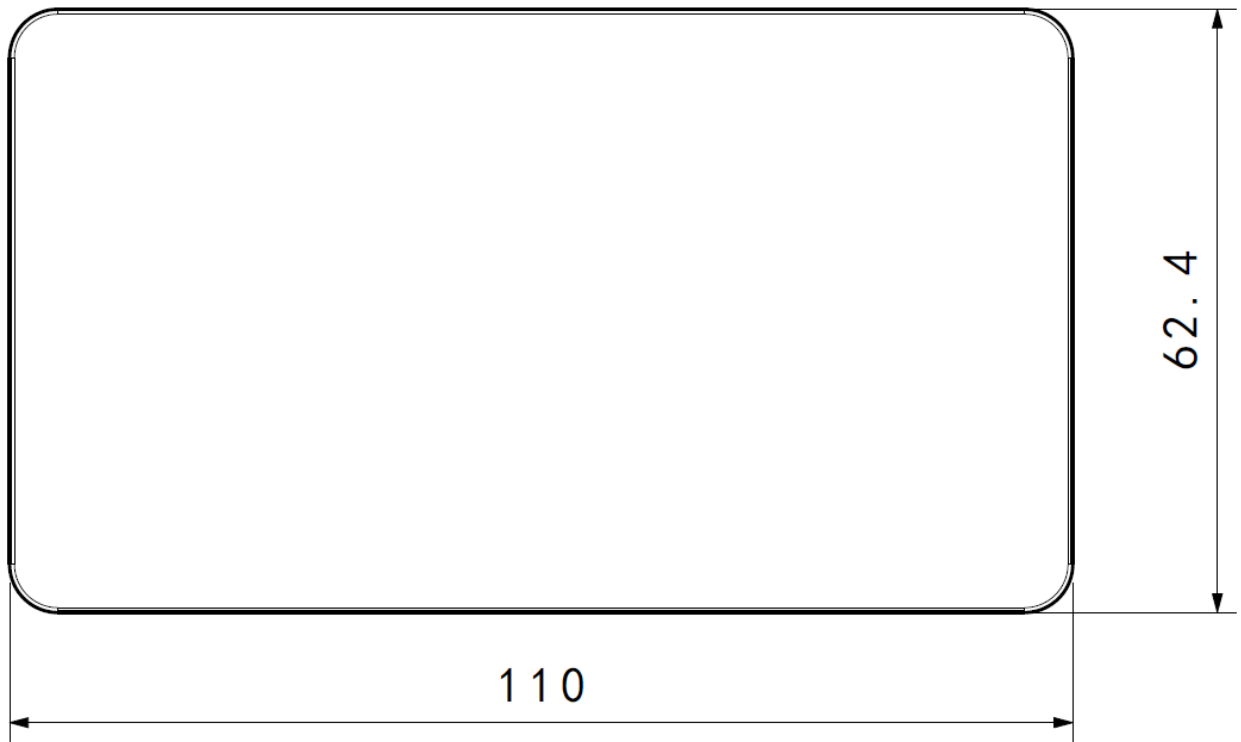


Install Dimension

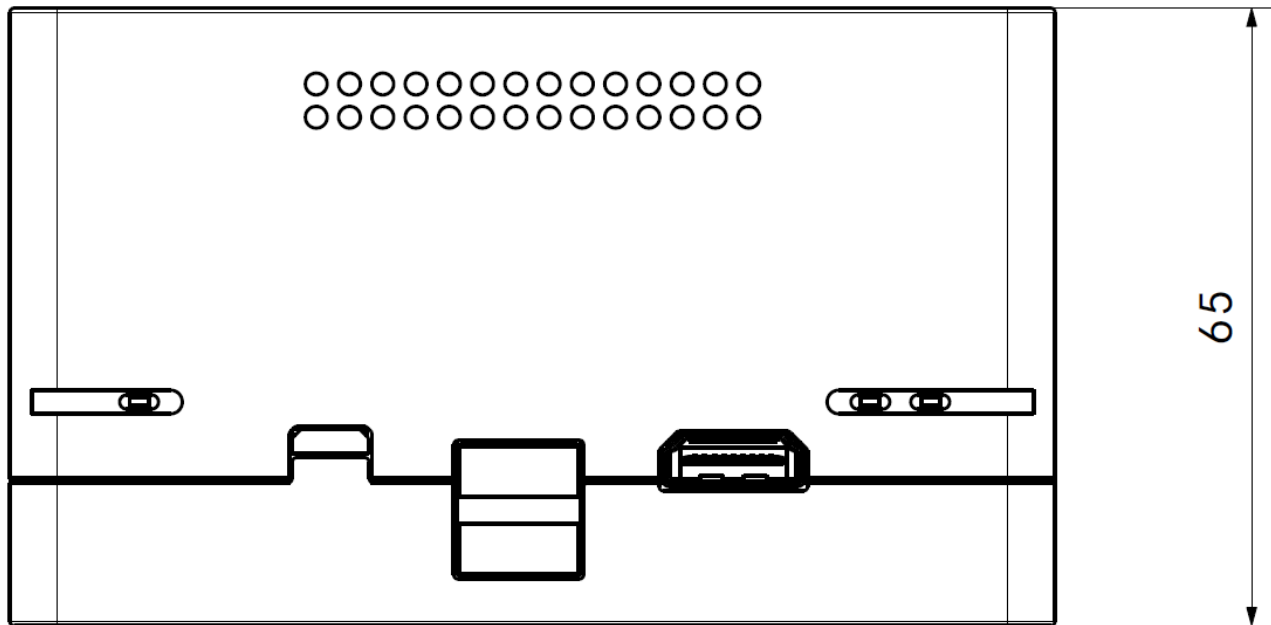
Lite NX Mini :

Dimensions and mounting hole position as below:

Up view(Unit:mm)



Front view(Unit:mm)



Left view(Unit:mm)

Mounting Hole(Unit:mm)

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