



**SIGMA-ONE**

# Sigma-One User Guide (HW)

Version 0.2

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### **FCC Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and the receiver.

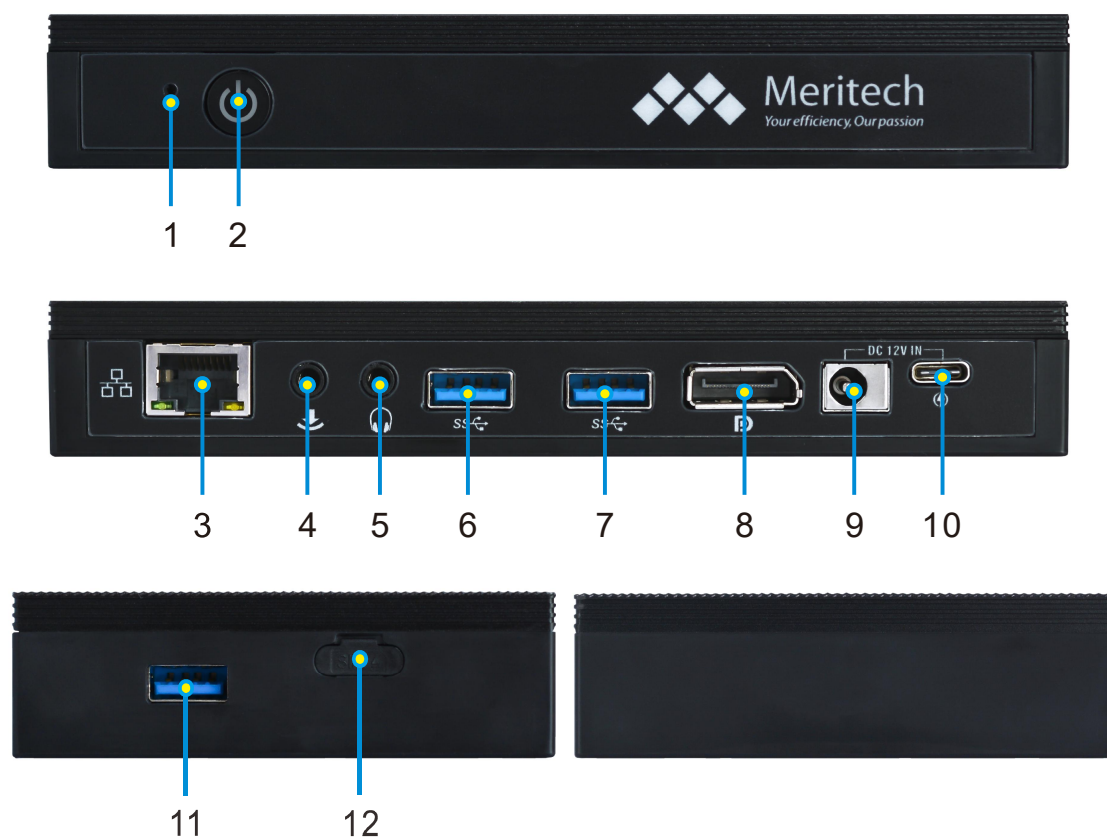
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

### **FCC Caution**

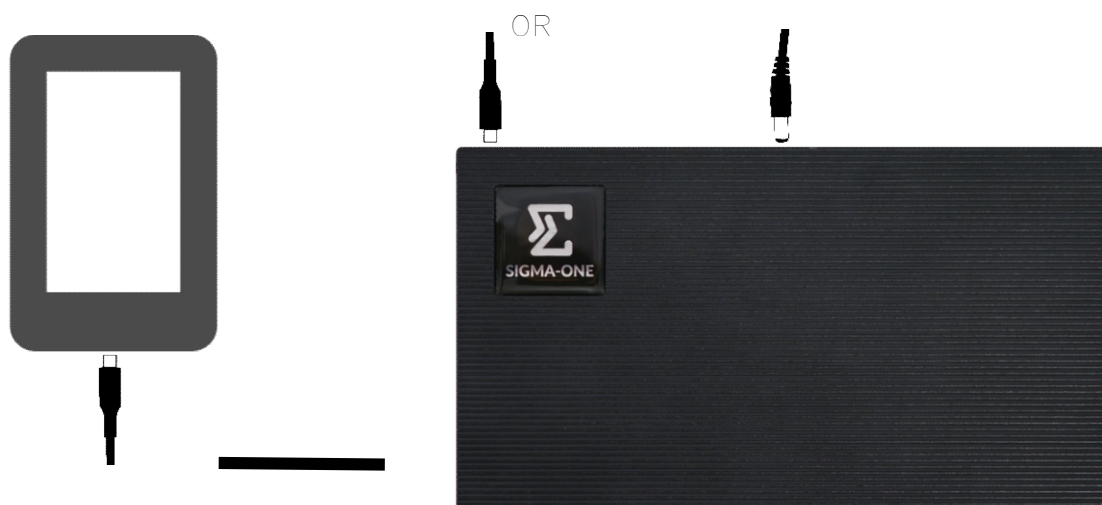
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

# Introduction



No.	Description
1	Recovery Button
2	Power Button
3	LAN RJ45 Port
4	3.5mm Jack MIC IN
5	3.5mm Jack Earphone
6	USB3.2_1
7	USB3.2_2
8	Displayport
9	DC Jack 12V3A
10	USB-C (Only for power supply) 12V3A
11	USB3.2_3
12	SIM Slot (nano-SIM)

# Setting up the Sigma-One Box



- **Connect the Power Supply**
- **Power Options:** You can use either a USB-C port or a DC jack to power the Sigma-One Box.
  - For USB-C power delivery, ensure the power supply supports 12V3A.
- **Redundant Power Supply:** Both power sources can be connected simultaneously for redundancy.
  - Ensure that the voltage provided by both the USB-C and DC jack is the same when using both.
- **Automatic Start:** The Sigma-One Box will start automatically when power is connected.
  - To shut down the Sigma-One Box, disconnect all power cables. Note that the device will restart even if shut down from the operating system.
- **Connect Devices via USB Ports**
  - **Device Connection:** Use the USB ports to connect your devices.
  - **Configuration:** Follow the specific software guides provided for configuring connected devices.

# Configuring the Sigma-One Box

- **Connect Display and Input Devices**
  - Use the DisplayPort to connect a display.
  - Connect a mouse and keyboard to the USB ports.
- **Initial Setup**
  - By default, automatic login and SSH are enabled.
  - It is recommended to change the default password and any other settings as needed for security and customization.
  - Ensure that you follow these instructions to securely set up and customize your Sigma-One Box to meet your needs.

# Specifications

Feature	Description
Model No	MT-SIG1Y24-001
Chipset	Rockchip RK3588 octa-core processor
	- 4x Cortex-A76 cores @ 2.4GHz
	- 4x Cortex-A55 cores @ 1.8GHz
Neural Processing Unit (NPU)	6 TOPS
RAM	16GB LPDDR4X
Storage	128GB eMMC
Phone Interface	ADB
Operating System	Linux Ubuntu 22.04
USB	USB 3.2 - 3 Ports
Ethernet	RJ45 - 1 Port
Wi-Fi	Dual-band Wi-Fi: 2.4GHz and 5GHz
Cellular	LTE Module: EG25-G
Operating temperature	-20~85℃
Size	TBD
Weight	TBD
Country	China

