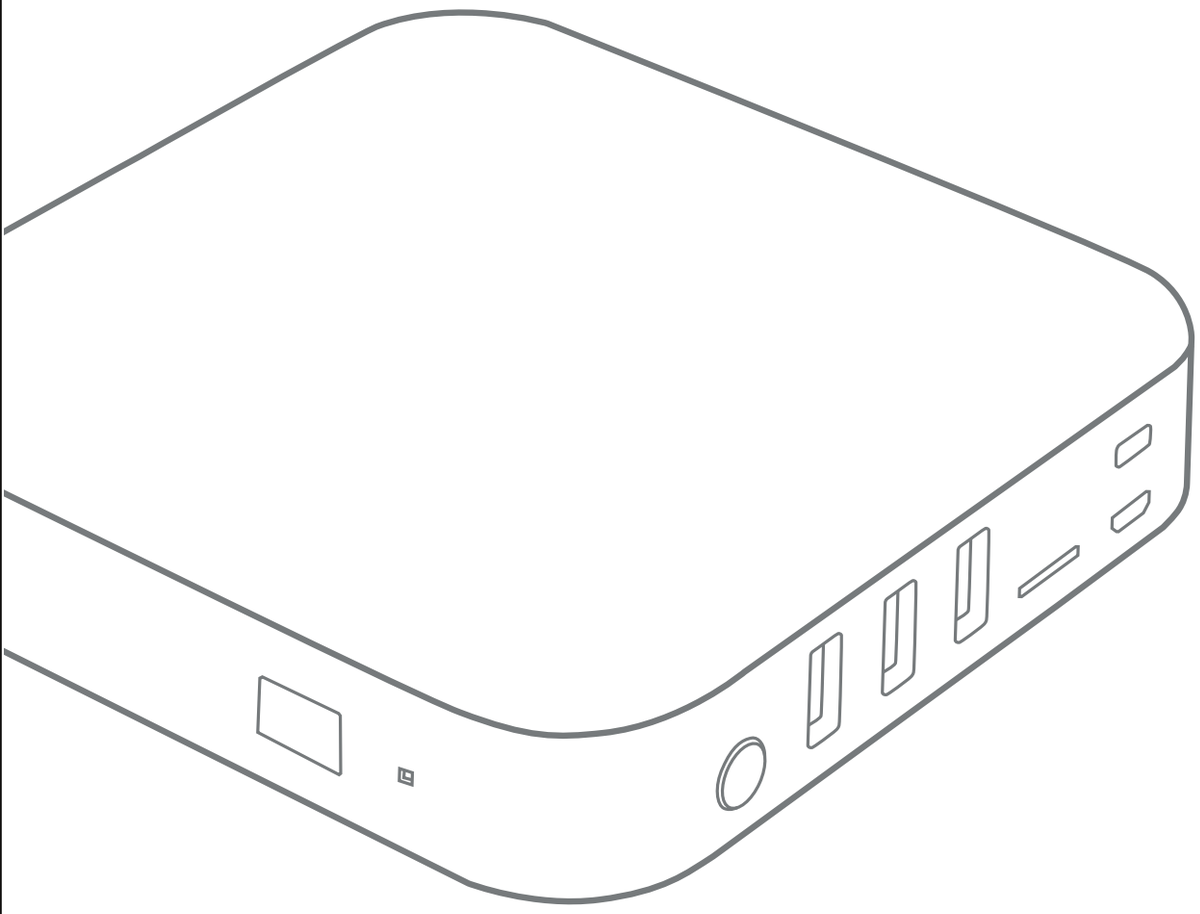
MINIX®

Next Generation Computing



X35-i Plus

X35-i

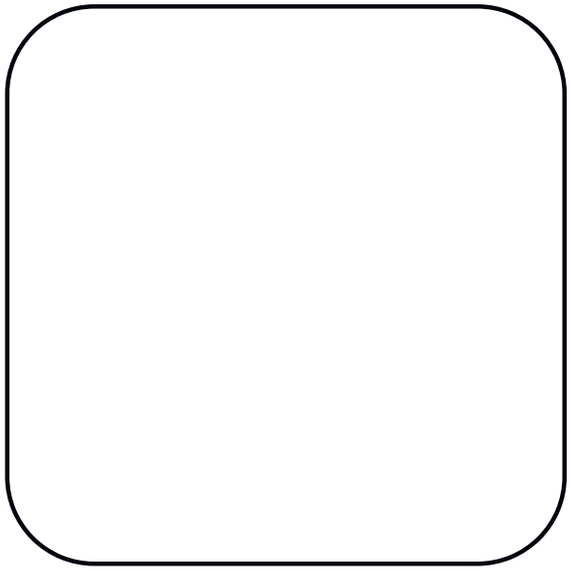
Quad Core Industrial
Hardware Solution

Setup Guide

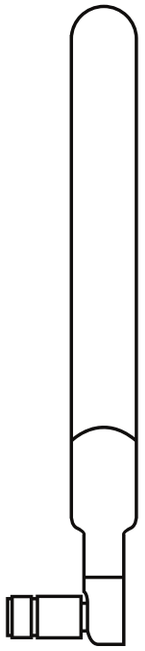
Specifications

Processor	Quad-Core ARM Cortex A55 processor
GPU	ARM Mali-G52 MP2
Memory	2GB DDR4
Internal Storage	32GB 16GB eMMC 5.1 Storage
Wireless Connectivity	802.11ax Dual-Band Wi-Fi 6
OS	Android 11
Video Output	HDMI™ 2.0, up to 4K 60Hz, supports HDMI-CEC
Audio Output	Via HDMI™ 2.0, S/PDIF, 3.5mm stereo jack
Peripheral Interface	RJ-45 Gigabit Ethernet
	Micro SD card reader
	USB 2.0 port x 2,USB 3.0 port x 1,OTG port x1,
	Kensington Lock ready Microphone jack,
	Headphone jack, IR receiver DC
Power	12V, 2A adapter included (CE, FCC certified)

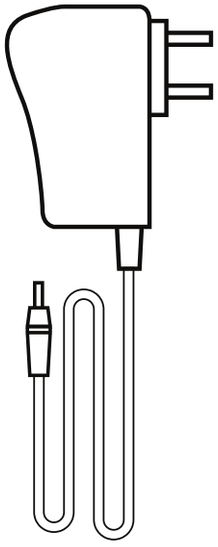
Contents



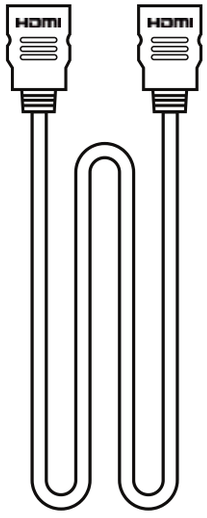
X35-i Plus



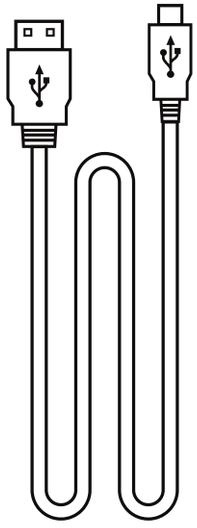
Dual-Band Antenna



Power Adapter

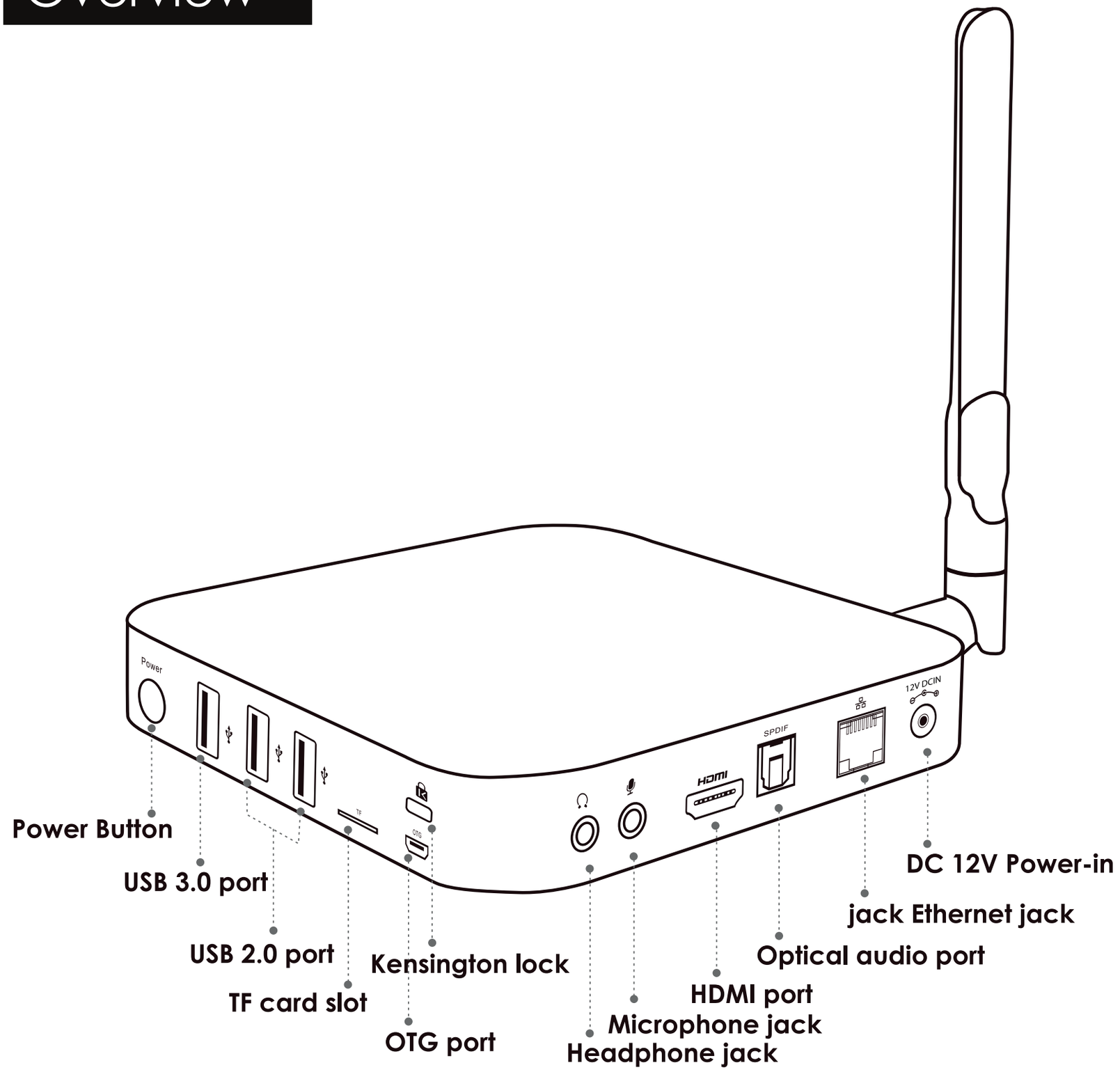


HDMI Cable

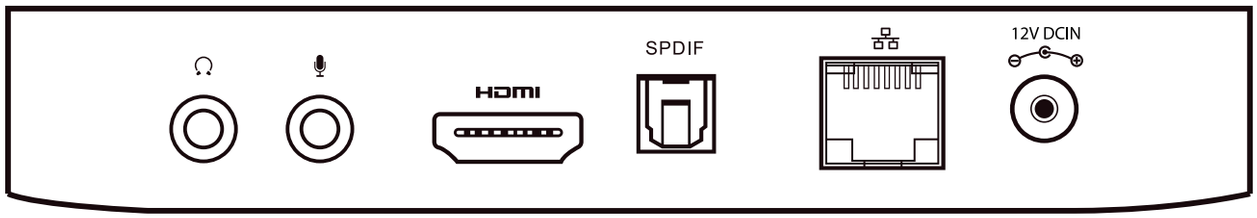


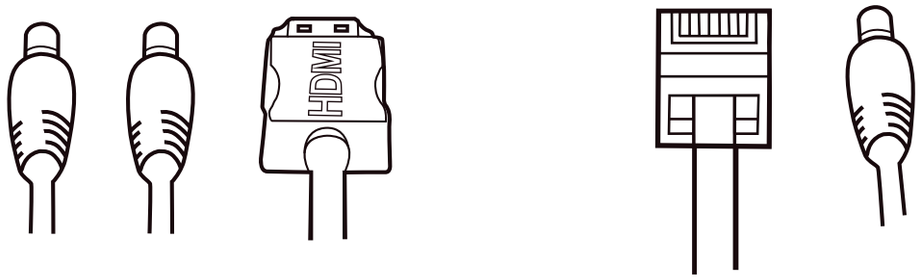
Micro-USB Cable

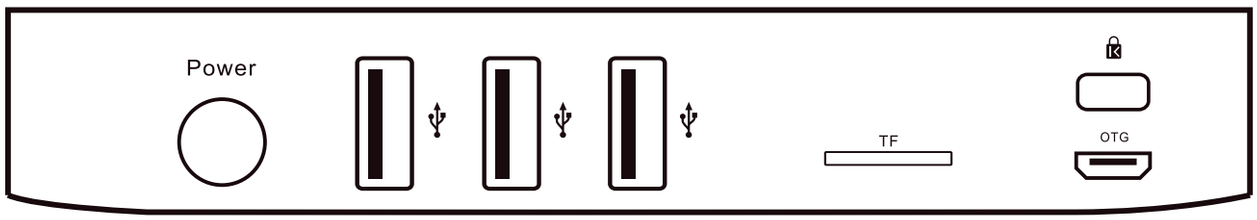
Overview

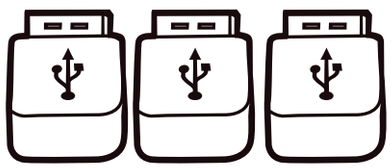

Power
SPDIF
HDMI
12V DCIN
TF
OTG
Power Button
USB 3.0 port
USB 2.0 port
TF card slot
OTG port
Kensington lock
Headphone jack
Microphone jack
HDMI port
Optical audio port
jack Ethernet jack
DC 12V Power-in

Overview









Overview

Power LED - The LED glows blue when the X35-i is on.

Power button - To power on the X35-i, press and hold the power button for 2-3 seconds until the power LED glows. To power off the X35-i press and hold the power button and the display will prompt out the power off options, select OK to confirm your choice. Alternatively, hold the power button for 8 seconds to force power off.

SD/MMC card slot - Increase the storage size or read files directly from a SD/MMC card, supports up to 512GB max.

Recovery button - The recovery button is to be used together with the OTG port when connecting to a PC for service/manual upgrade purposes.

Earphone Jack - Connect to an external audio output device such as earphones etc...

Overview

Microphone Jack - Connect to a microphone for voice input.

Ethernet Jack - Connect the Ethernet cable for internet access. If you need advanced settings such as PPPoE dial-up, go into the settings page at: “Settings” > “More...”. While connected with the Ethernet cable, the X35-i Plus can be used as a router and also a Wi-Fi hotspot; if you need to use the Wi-Fi hotspot feature, please make sure that the Wi-Fi feature is OFF before you enable the Wi-Fi hotspot service at: “Settings” > “More”.

DC 12V Power-in Jack - Connect the 12V power adapter supplied in the package to this port. The X35-i Plus requires less than 1A to operate, however the included power adapter provides 2A, in consideration that you may require extra to connect other power-drawing external devices such as an external hard drive.

USB 2.0 and USB 3.0 Ports - Connect an external USB device to the X35-i Plus, such as USB flash drive, reciever of wireless keyboard and mouse, USB wired mouse, receiver of wireless headset, air-mouse etc...

Overview

X35 i Plus

HDMI port - Connect the X35 i to the HDMI port of a high-definition TV or PC monitor using an HDMI cable.

Optical Audio Port - Connect to the optical audio input of an external sound processing unit, such as an amplifier.

OTG Port - Connect the micro end of the Micro-USB cable to this port and the other end to the computer for synchronization and manual upgrade purposes.

Control

Different Control Methods - You may control the X35-i with the following input devices:

X35 i Plus

1.) Wired mouse

2.) 2.4GHz USB wireless mouse and keyboard set

3.) 2.4GHz USB wireless air-mouse (air-mouses sold separately)

4.) IR-Remote

Basic Setup

What you need:

High-Definition TV or PC monitor - That can display 720p ,1080p or 4K video with at least one HDMI input.

HDMI Cable - To connect the X35-i to your TV (HDMI cable included).

X35-i Plus

Wireless Network - A wired network cable or an 802.11 ax Wi-Fi wireless network , your wireless network name and password.

Software and accounts - To play content (videos, photos, music) from a smartphone or PC on the X35-i you will need :

X35-i Plus

- A UPnP/DLNA software pre-loaded on your smartphone or PC.
- A Google account to sign-in to Google Play Store to download the corresponding applications (e.g. iMediaShare, eHomeMediacenter) neccessary for streaming the content from a smartphone or PC.
- Other accounts may be required for full acccess to some internet contents.

Basic Setup

The X35-i connects to your TV or PC monitor through an HDMI port that delivers both audio and video. Before you setup the X35-i, look at the ports on the side/back of your TV or PC monitor to ensure you have the right cable:

- An HDMI cable: You can connect the X35-i to an HDTV or home theater receiver that has an HDMI port, using an HDMI cable for video and audio.

Step 1: Connecting the cable

1. Connect one end of the HDMI cable to the HDMI port of your TV / PC monitor.
2. Connect the other end of the cable to the HDMI port of the X35-i.

Step 2: Connecting the power

- Connect the 12V power adapter supplied in the package to the relevant port. Press and hold the power button for 2-3 seconds to power on the X35-i, the blue power LED should then glow.

Step 3: Turn on your TV / PC monitor and select the input

- Simply turn on your TV or PC monitor and select the corresponding HDMI port connected to the X35-i.

Basic Setup

Language Setup

You may choose the desired system language by following these steps:

Launcher Home Screen > Settings > Language & Input > Language

The default language is English, you may choose your desired language and confirm.

Time Zone Setup

You should adjust the time zone according to your current location by the following steps:

Launcher Home Screen > Settings > Date & Time > Select Time Zone

Choose your time zone and confirm.

Wi-Fi Setup (basic)

To connect to your wireless network follow these steps:

Launcher Home Screen > Settings > Wi-Fi > Check the option

“To see available networks turn Wi-Fi on”

Wi-Fi will turn on and automatically scan the wireless networks available, then select the wireless network that you wish to connect to and confirm, key-in the password of the Wi-Fi network when the virtual keyboard prompts, finally hit the “Connect” button.

Google Play Store

Sign-in to your Google Account.

Launch the Google Play Store by the following steps:

Launcher Home Screen > Google Play Store, select and confirm.

To use the Google Play Store you will need a Google Account. If you already have a Google Account, select “Sign in” and login with your Google Account. If you don’t have a Google Account yet, select “Get a Google Account” and complete the rest of the process.

Upon completion of the sign-in process you will be brought to the Google Play Store, allowing you to download and install the applications you want.

FCC Caution：

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

Note: 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 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.