



# **Package Contents**

- ODYSSEY X86J4105
- User Manual
- International Power Adapter
- SATA Cable
- Antenna x2
- RTC Battery
- Heat Sink (Assembled)
- Cooling Fan (Assembled) [Included in FMMC version]

















## **Specifications**

Processor	Intel® Celeron® J4105
	Frequency: 1.5 – 2.5GHz
Coprocessor	NE LE O ATC MADOLOGO
	Microchip® ATSAMD21G18 32-Bit Arm® Cortex® M0+
	32-BIT AFM © COFTEX MU+
Graphics	Intel® UHD Graphics 600
	Freguency: 250 – 750MHz
	,
Memory	LPDDR4 8GB
y	
Storage	64GB eMMC V5.1
<u> </u>	
Wireless	Wi-Fi 802.11 a/b/g/n/ac @ 2.4/5 GHz HT160
	Bluetooth® 5.0
Networking	Intel® I211AT PCIe Gigabit LAN
	Microphone + headphone Combo Connector
Audio	Microphone + Headphone Contidu Confidector
Headers	28-pin header from SAMD21G18
	40-pin header compatible with Raspberry Pi

USB	USB 2.0 Type-A x2 USB 3.1 Type-A x1
	USB 3.1 Type-C x1
	HDMI2.0a: Up to 4096x2160 @ 60Hz 24bpp
Video Interfaces	DP1.2a: Up to 4096x2160 @ 60Hz 24bpp
Expansion Slots	M.2[Key B, 2242/2280]: SATA III, USB2.0, UIM
	M.2 (Key M, 2242/2280): 9ATA III, USB2.0, UM M.2 (Key M, 2242/2280): PCIe 2.0 ×4
	Micro SD card Socket
	SIM Card Socket
	SATA III
RTC	JST 1.0 CR2032 3V
ТРМ	Built-in TPM (2.0)
Power	DC Jack 5.5/2.1mm or Type-C PD
	DC Jack input: 12-19V DC
	Type-C input: USB PD
Dimensions	110x110mm
Certifications	FCC, CE

## Quick Start with ODYSSEY - X86J4105

## Before you Start

Make sure you have the following:

- 1 An external monitor
- 2 A keyboard and a mouse
- 3 An HDMI Cable

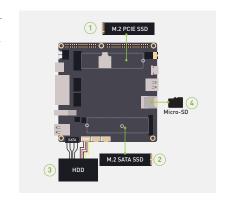


## **Attaching External Storage**

If you have bought the 64GB EMMC storage version of the ODYSSEY - X86J4105, you can skip this step. However, if you need more storage for your needs, feel free to follow this step.

There are four methods of adding storage to ODYSSEY - X86J4105

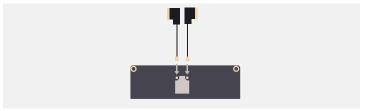
- 1 Through M.2 PCIE Connector
- 2 Through M.2 SATA connector
- 3 Through SATA Connector
- 4 Through Micro SD Card Slot



Note: Only three storage types support to install an operating system inside (M.2 SATA, M.2 PCIE and SATA), and the Micro SD Card can only be used as external storage.

## **Connecting Antennas**

Insert the two antennas into the two sockets on the ODYSSEY - X86J4105



Note: One antenna is for Wi-Fi and Bluetooth whereas the second antenna is for strong 5G connectivity

## Connecting to a display

1. There are two ways to connect your ODYSSEY - X86J4105 to an external display

#### Method 1



## Method 2



## Connecting to a keyboard and a mouse

Connect your favorite keyboard and mouse to the ODYSSEY - X86J4105 through any of the USB connectors

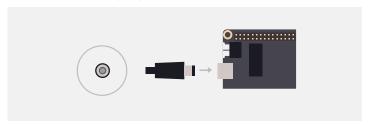


## Powering up

1. There are two ways to power up your ODYSSEY - X86J4105.

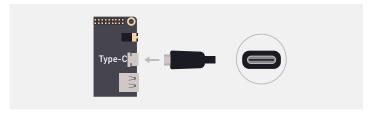
#### Method 1

Use the 12V/2A power adapter (provided)

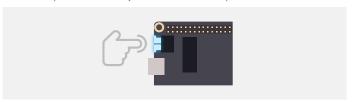


#### Method 2

Use a USB Type-C Cable (Supports DP)



2. Press the power button and you will notice the blue power LED turn on



3. Wait a few seconds until it boots into the operating system.

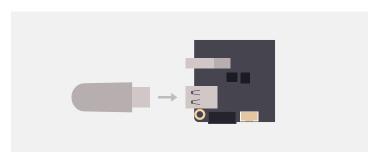


## Installing an Operating System

ODYSSEY - X86J4105 supports both Windows and Linux operating systems. If you have bought the non EMMC version, you could attach an external storage by following the previous steps and install your desired operating system by creating a bootable USB drive. Also, if you have bought the EMMC version with windows pre-installed, you could additionally install Linux according to your requirements.

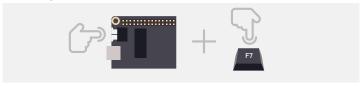
## Step 1

Connect your bootable USB drive into one of the USB ports on the ODYSSEY - X86J4105.



## Step 2

Press the power button and keep pressing F7 key on the keyboard until you see the Boot Manager screen.



## Step 3

Select the connected USB Drive as the boot drive and press enter



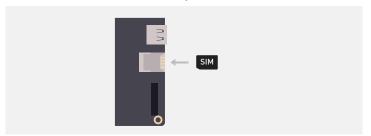
## Step 4

Then follow the instructions on the installation screen to complete installing your desired operating system.

## Adding 4G Cellular Connectivity

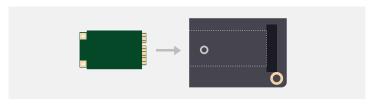
## Step 1

Insert a standard SIM Card to the bottom layer of the slot.



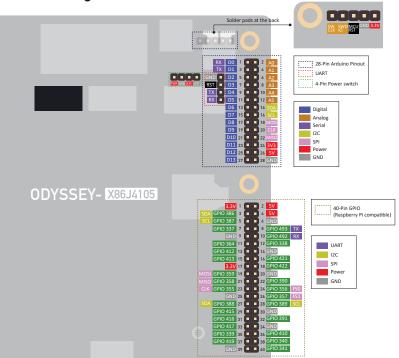
## Step 2

Insert a PCIF 4G module.

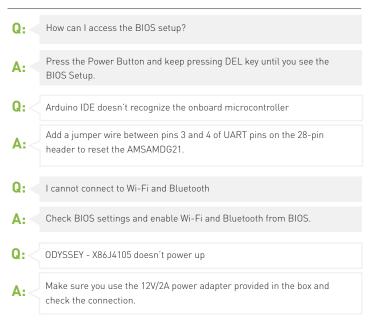


Note: This module is a must have if you want to use the connected SIM card.

## Pinout diagram



## **FAQ**



 If you have any further questions, please visit forum.seeedstudio.com or send an email to techsupport@seeed.cc