




Odyssey X86J4125 v2 IoT Edge PC User Manual

[Home](#) » [Odyssey](#) » Odyssey X86J4125 v2 IoT Edge PC User Manual 

Contents

- [1 Odyssey X86J4125 v2 IoT Edge PC](#)
- [2 Package Contents](#)
- [3 Specifications](#)
- [4 Before you Start](#)
- [5 Attaching External Storage](#)
- [6 Connecting Antennas](#)
- [7 Connecting to a display](#)
- [8 Connecting to a keyboard and a mouse](#)
- [9 Powering up](#)
- [10 Installing an Operating System](#)
 - [10.1 Step 1](#)
 - [10.2 Step 2](#)
 - [10.3 Step 3](#)
 - [10.4 Step4](#)
- [11 Adding 4G Cellular Connectivity](#)
 - [11.1 Step 1](#)
 - [11.2 Step 2](#)
- [12 Pinout diagram](#)
 - [12.1 FAQ](#)
- [13 Documents / Resources](#)
- [14 Related Posts](#)



Odyssey X86J4125 v2 IoT Edge PC



Package Contents

- ODYSSEY – X86J4125 v2
- User Manual
- International Power Adapter

[Not included in TELEC version!]

- SATA Cable
- Antenna x2
- RTC Battery
- Heat Sink [Assembled]
- Cooling Fan [Assembled]

[Included in EMMC and Blue version]



Specifications

| | |
|-------------|--|
| Processor | Intel® Celeron® J4125 Frequency: 2.0-2.7GHz |
| Coprocessor | Microchip Raspberry Pi™ RP2040 32bit ARM® Dual-Core Cortex®M0+ |
| Graphics | Intel® UHD Graphics 600 Frequency, 250 – 750MHz |

| | |
|------------|--|
| Memory | LPDDR4 8GB |
| Storage | 64GB eMMC V5.1 |
| Wireless | Wi-Fi 802.11 a/b/g/n/ac • 2.4/5 GHz HT160 Bluetooth® 5.0 |
| Networking | Intel® 1225-V PCIe 2.5GbE LAN |
| Audio | Microphone+ headphone Combo Connector |
| Headers | 28-pin header from Raspberry Pi RP2040 40-pin header compatible with Raspberry Pi |

| | |
|-------------------------|---|
| USB | <p>USB 2.0 Type-A x2</p> <p>USB 3.1 Type-A x1 USB 3.1 Type-C x1</p> |
| Video Interfaces | <p>HDMI2.0a, Up to 4096,2160@ 60Hz 24bpp DPI .2a, Up to 4096x2160@ 60 Hz 24bpp</p> |
| Expansion Slots | <p>M.2[Key B, 2242/22B0L SATA III, USB2.0, UIM M.2 [Key M, 2242/22801, P Cle 2.0 ,4</p> <p>Micro SD card Socket</p> <p>SIM Card Socket SATAIII</p> |
| RTC | <p>JST 1.0 CR2032 3V</p> |
| TPM | <p>Built-in TPM [2.01.optional external TPM</p> |

| | |
|-----------------------|---|
| 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, TELEC, UKCA |

Before you Start

Make sure you have the following:

Make sure you have the following:

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

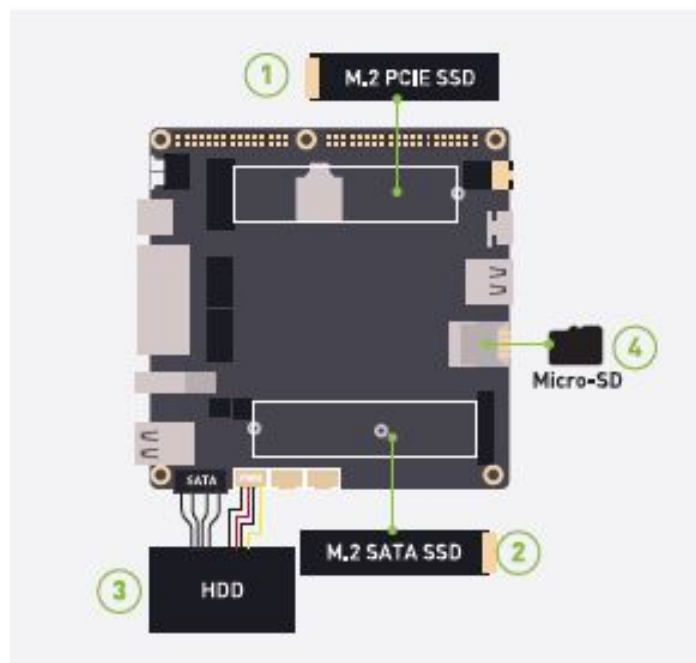


Attaching External Storage

If you have bought the 64GB EMMC storage version of the ODYSSEY – X86J4125 v2, 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 – X86J4125 v2

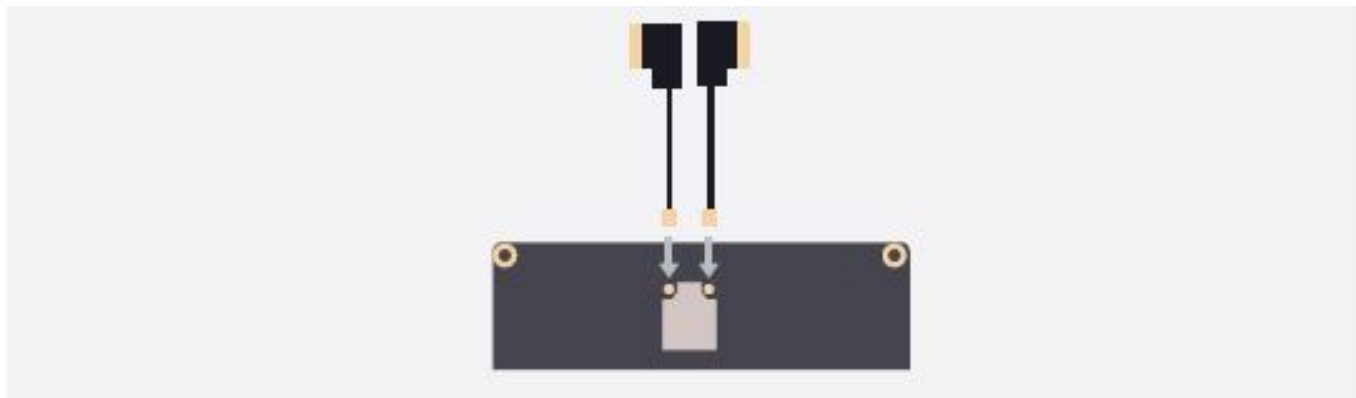
1. Through M.2 PCIE Connector
2. Through M.2 SATA connector
3. Through SATA Connector
4. Through Micro-SD Card Slot



Note, Only three storage types support to install an operating system inside (M.2 SATA, M.2 PCIE and SATAI. 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 – X86J4125 v2



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

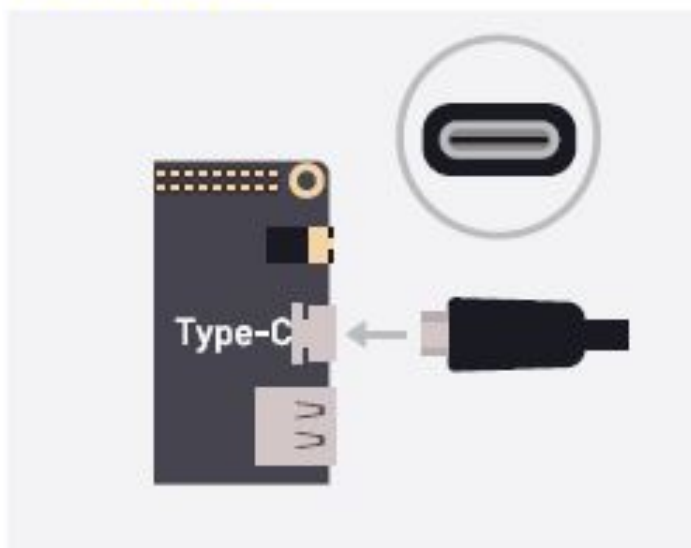
Connecting to a display

1. There are two ways to connect your ODYSSEY – X86J4125 v2 to an external display

Method 1

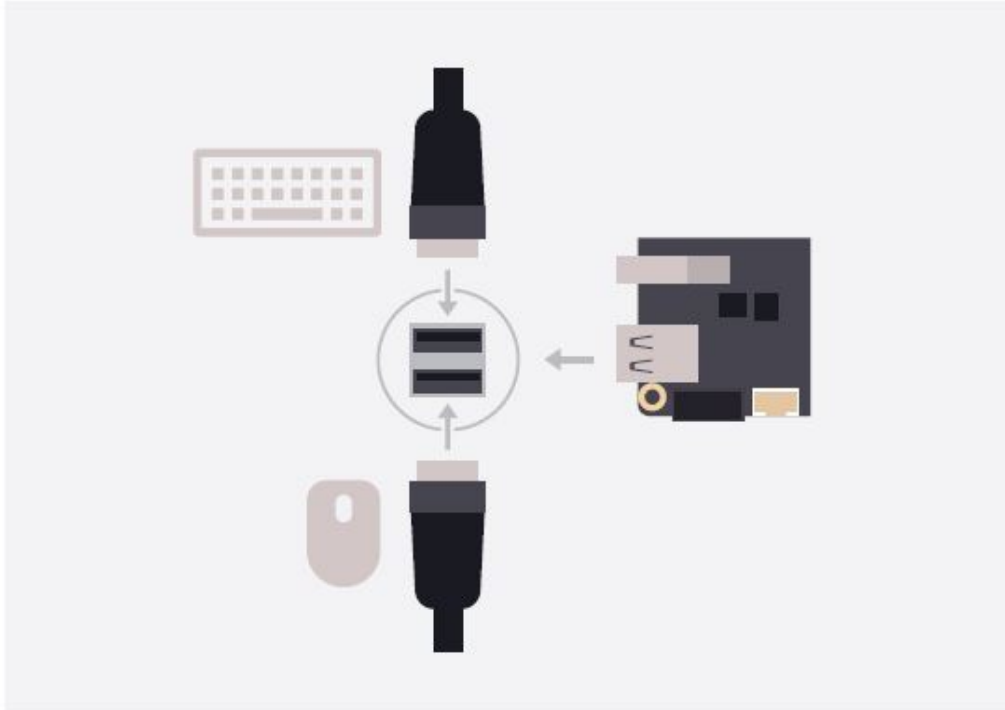


Method 2



Connecting to a keyboard and a mouse

Connect your favorite keyboard and mouse to the ODYSSEY – X86J4125 v2 through any of the USB connectors

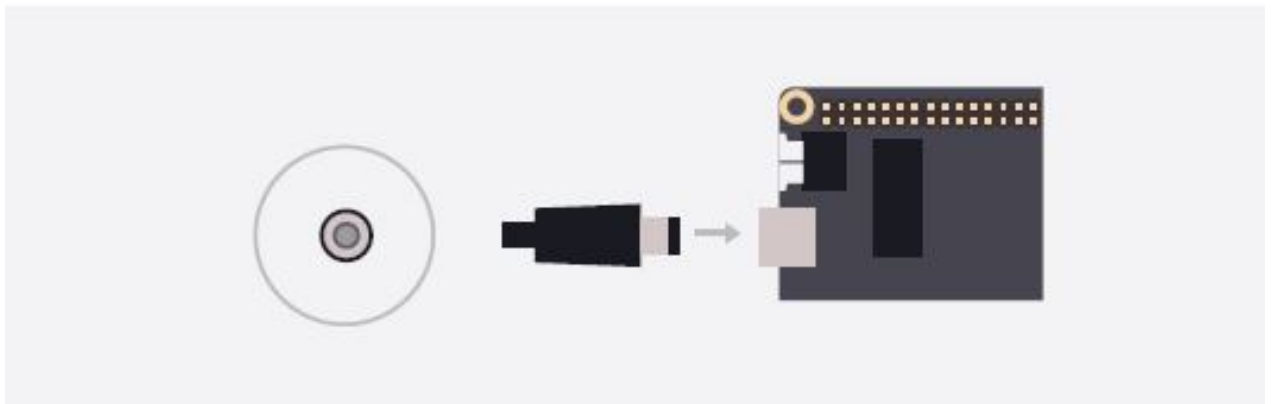


Powering up

1. There are two ways to power up your ODYSSEY – X86J4125 v2.

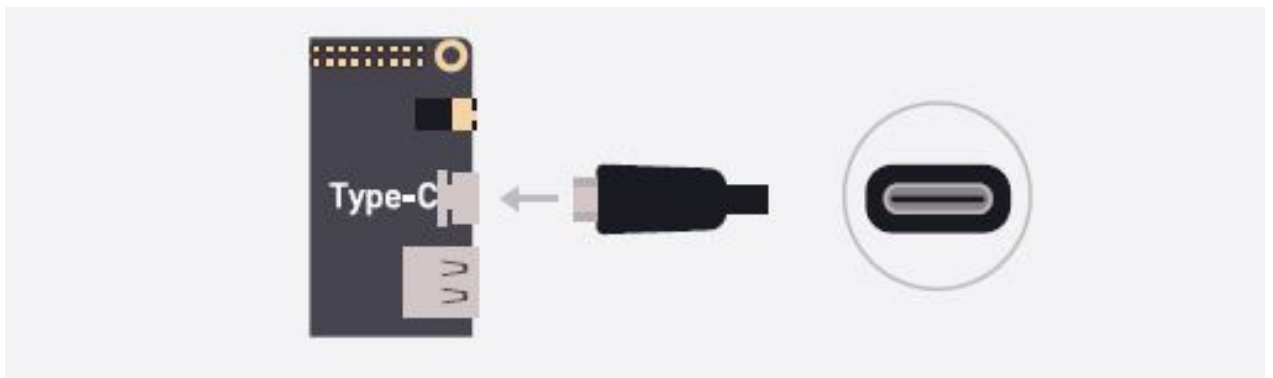
1. Method 1

Use the 12V/2A power adapter [provided]

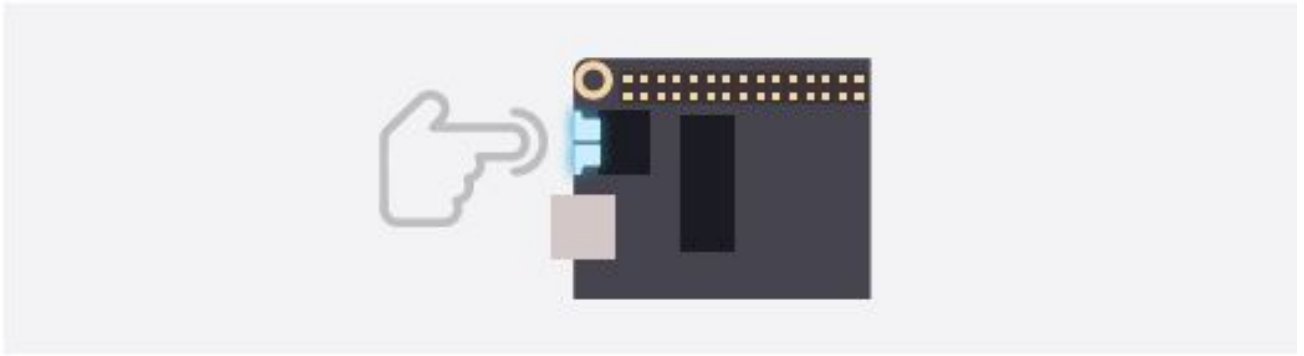


2. Method 2

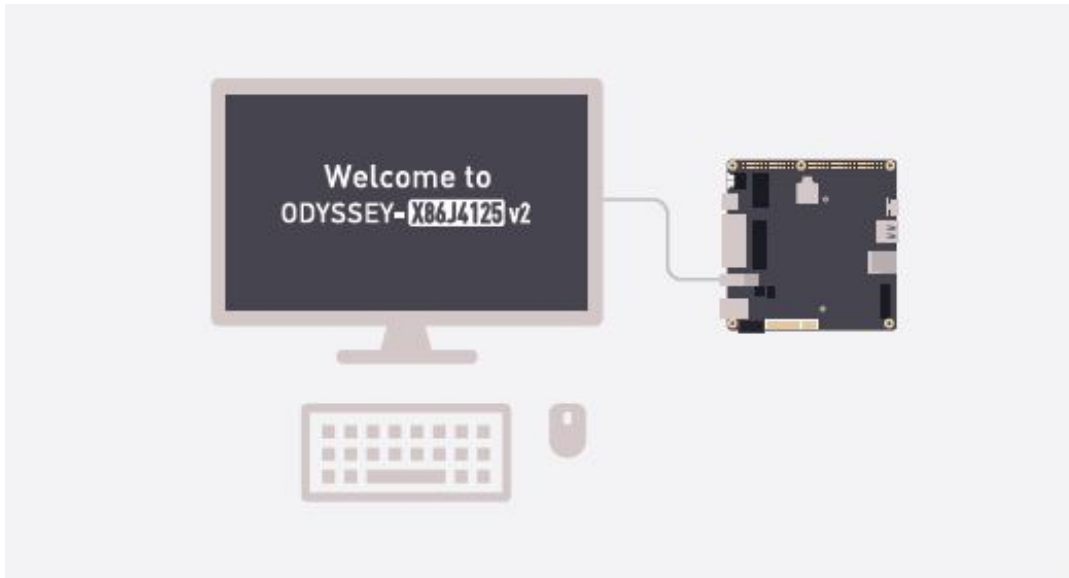
Use a USB Type-C Cable [Supports DP]



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.

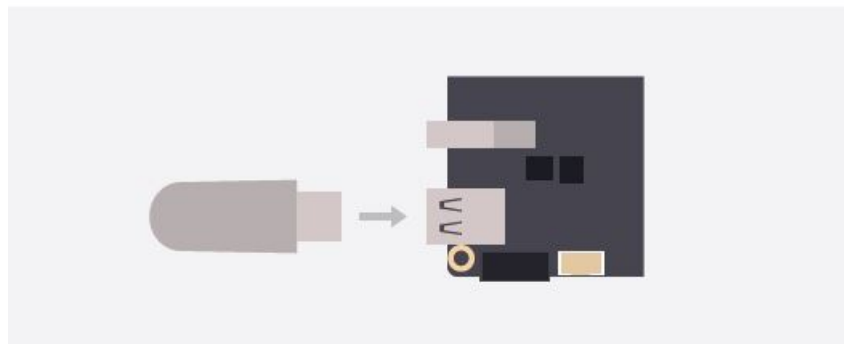


Installing an Operating System

ODYSSEY -X86J4125 v2 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.

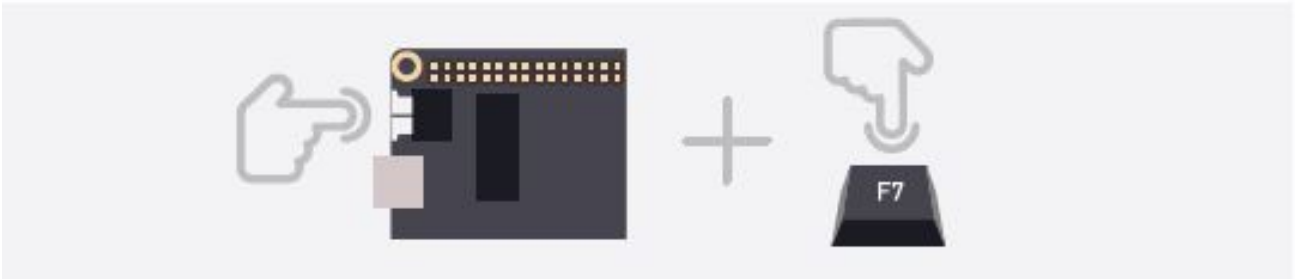
Step 1

Connect your bootable USB drive into one of the USB ports on the ODYSSEY -X86J4125 v2



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



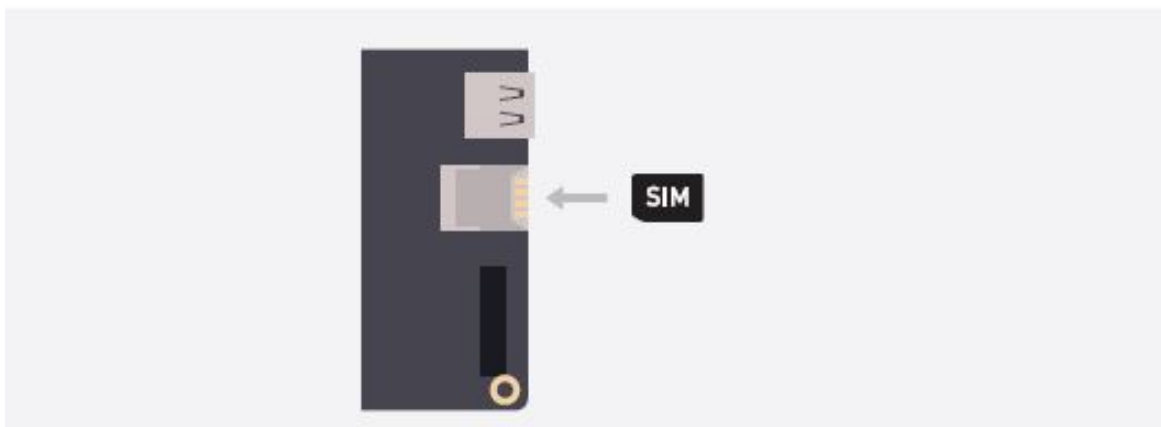
Step4

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

Adding 4G Cellular Connectivity

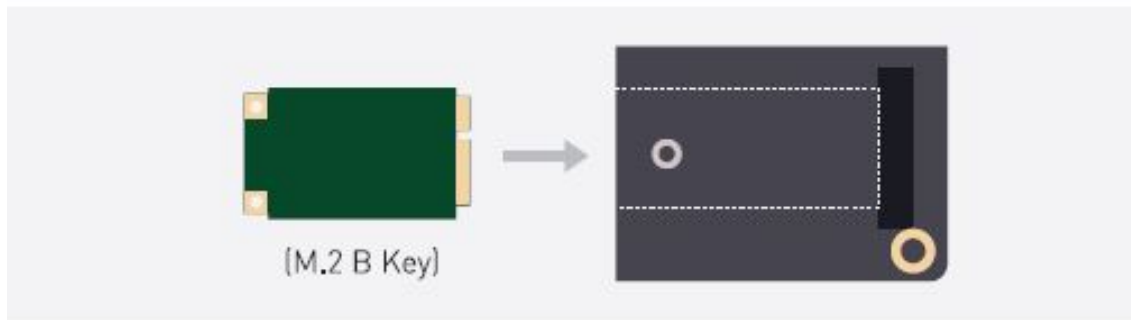
Step 1

Insert a Micro-SIM Card to the bottom layer of the slot.



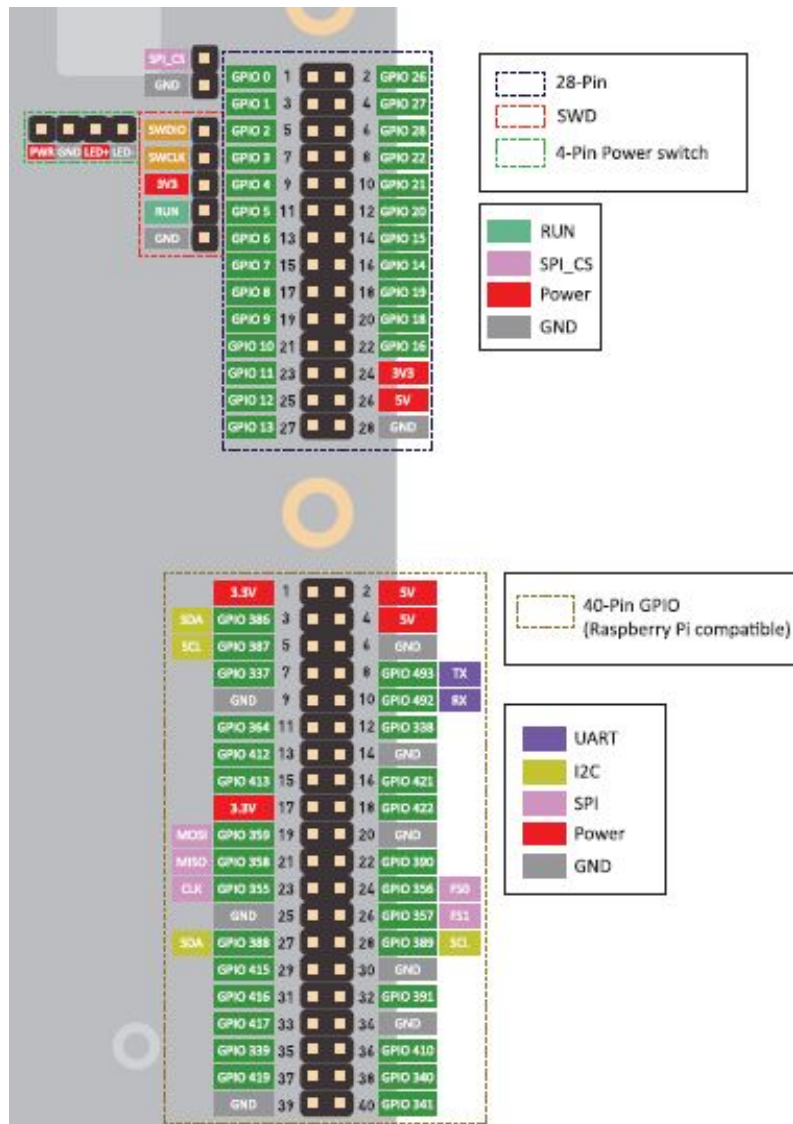
Step 2

Insert a USB interface 4G module.



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

Pinout diagram



FAQ

- Q:** How can I access the BIOS setup?
 - A:** Press the Power Button and keep pressing DEL key until you see the BIOS Setup.
- Q:** I cannot connect to Wi-Fi and Bluetooth
 - A:** Check BIOS settings and enable Wi-Fi and Bluetooth from BIOS.
- Q:** ODYSSEY – X86J4125 v2 doesn't power up
 - A:** Make sure you use the 12V/2A power adapter provided in the box and check the connection.

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

seeed studio
www.seeedstudio.com
www.seeed.cc

Documents / Resources

| | |
|---|--|
|  | <p>Odyssey X86J4125 v2 IoT Edge PC [pdf] User Manual</p> <p>X86J4125 v2 IoT Edge PC, X86J4125, X86J4125 v2, IoT Edge PC, IoT PC, Edge PC, PC</p> |
|---|--|

[Manuals+](#).