

AVNET[®]

MANUFACTURING SERVICES

/ **MAAXBOARD**

Quad Core, 2GB RAM, micro-SD Slot

avnet.me/MAAXBOARD-oob

QUICK START GUIDE

WHAT YOU WILL NEED

Essential (for general use)

- SD card - A minimum of 8GB class 4 or class 10 microSD card, 16GB is recommended
- Display and connectivity cable - Any HDMI monitor or TV
- Keyboard and mouse
- Power supply - A USB Type-C power supply (like most standard mobile phone chargers) that can supply at least 3A at 5V

Optional

- Ethernet (network) cable
- MIPI Touch Display - Official 7" multi-touch 720p LCD Display
- Official tailor-made heatsink kit to provide cooling

SET UP YOUR SD CARD

Download operating system images

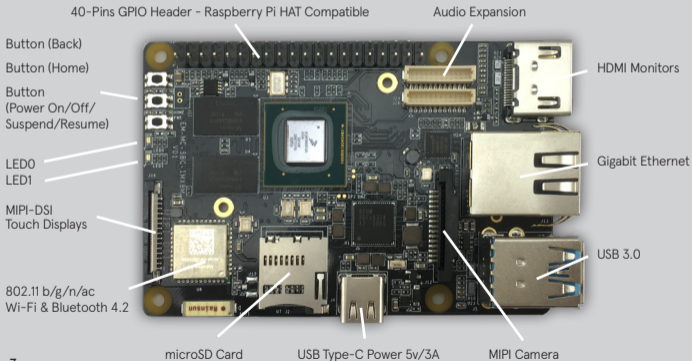
- Visit the downloads page: **avnet.me/MAAXBOARD-oob** to download Debian Linux or Android 9 image

Flash the SD Card

- Download and install the flash tool - Etcher from: **<https://www.balena.io/etcher>**
- Flash the SD card with Etcher

CONNECT YOUR MAAXBOARD

MAAXBOARD Connection Block Diagram



HOW TO CONNECT

Now get everything connected to your MAAXBOARD. It's important to do this in the right order, so that all your components are safe.

1. (Optional) Install the heatsink kit if you have one
2. Insert the microSD card you've set up into the microSD card slot
3. Connect the mouse to a USB port
4. Connect the keyboard to a USB port
5. Make sure your HDMI screen is plugged into a wall socket and switched on
6. Use a cable to connect the screen to the HDMI port
7. (Optional) If you have an official MIPI Touch Display and want to use it, make sure it is switched on
8. (Optional) Use a FPC cable to connect the MIPI Display port
9. If you want to connect to the internet via Ethernet, use an Ethernet cable to connect the Ethernet port on MAAXBOARD to an Ethernet socket on the wall or on your internet router. You don't need to do this if you want to use wireless connectivity, or if you don't want to connect to the internet

START UP YOUR MAAXBOARD (LINUX)

Your MAAXBOARD doesn't have a power switch: as soon as you connect it to a power outlet, it will turn on.

1. Plug the USB Type-C power supply into a socket and connect into the powerport
2. You should see a green LED(LED0) light on the MAAXBOARD, which indicates that it is connected to power and bootloader (U-Boot) is loaded. As it starts up (this is also called booting), you will see the other green LED (LED1) blink and many character lines are printed on your screen.
3. After a few seconds the login screen will appear, the default log in is username: **avnet** with the password: **avnet**.

START UP YOUR MAAXBOARD (ANDROID)

Your MAAXBOARD doesn't have a power switch: as soon as you connect it to a power outlet, it will turn on.

1. Plug the USB Type-C power supply into a socket and connect it to the power port
2. You should see a green LED(LED0) light on the MAAXBOARD, which indicates that it is connected to power and bootloader(U-Boot) is loaded. As it starts up(this is also called booting), you will see the other green LED(LED1) blink and many character lines are printed on your screen.
3. After a few seconds the Android lock screen will appear, then you can slide to unlock without password.

WHERE TO FIND HELP

Online:

Check out the help section and the troubleshooting guide at:

[Avnet.com/MAAXBOARD-help](https://www.avnet.com/MAAXBOARD-help)

Check out the documentation at:

[Avnet.com/MAAXBOARD](https://www.avnet.com/MAAXBOARD)

Email:

Technical issues:

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[avnet.me/maaxboard-forum](https://www.avnet.me/maaxboard-forum)

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