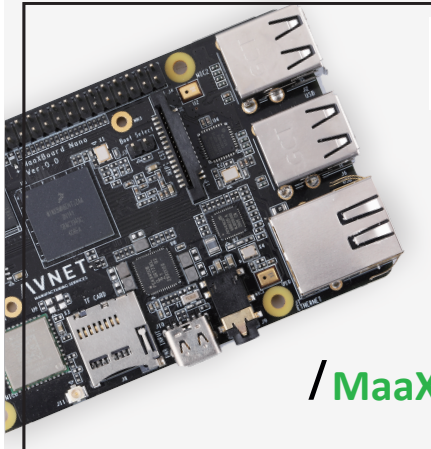


119mm

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89mm



AVNET
Reach Further™

/MaaXBoard Nano

QUICK START GUIDE

KIT CONTENTS

- 1 x MaaXBoard Nano

WHAT YOU WILL NEED

Essential (for general use)

- (SD Boot Only) SD card - A minimum of 8GB class 4 or class 10 microSD card
- 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

1

SET UP YOUR SD CARD

Download operating system images

- Visit the downloads page: [Avnet.com/MaaXBoard-nano-download](https://www.avnet.com/MaaXBoard-nano-download) to download Debian Linux

Flash the SD Card

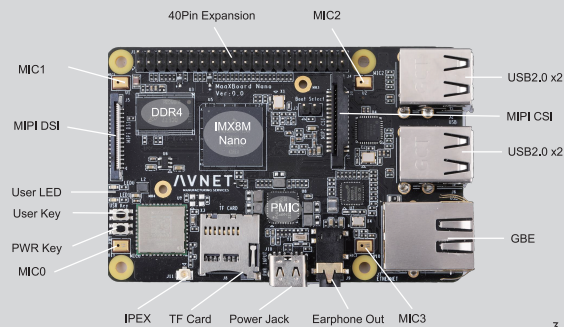
- Download and install the flash tool - Etcher from: <https://www.balena.io/etcher>
- Flash the SD card with Etcher

> NOTE: For eMMC boot, there is already a factory pre-programmed Linux image. Just skip this section.

2

CONNECT YOUR MAABOARD NANO

MaaXBoard Nano Connection Block Diagram



3

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HOW TO CONNECT

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

1. Install the heatsink kit if you have one
2. (SD boot only) Insert the SD 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. (Optional) If you have an official MIPI Touch Display and want to use it, make sure it is switched on
6. Use a FPC cable to connect the MIPI Display port
7. If you want to connect to the internet via Ethernet, use an Ethernet cable to connect the Ethernet port on MaaXBoard Nano 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

4

START UP YOUR MAABOARD NANO (LINUX)

Your MaaXBoard Nano 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 Nano, 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: **root** with password: **avnet**.

5

WHERE TO FIND HELP

Online:

Check out the help section and the troubleshooting guide at:
Avnet.com/MaaXBoard-Nano-help
 Check out the documentation at:
Avnet.com/MaaXBoard-Nano

Email:

Technical issues:
embest-support@avnet.com

Sales:

embest-sales@avnet.com

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