

Turriss Omnia 5G upgrade kit setup [!\[\]\(a3ea015cc5581cad732d1eb81613fe7b\_img.jpg\)](#)

### **Warning**

This upgrade is intended for users with advanced technical expertise. The hardware installation requires a certain degree of manual dexterity.

### **Notice**

Please note that the Turriss Omnia 5G upgrade kit is not officially supported on Turriss Omnia Wi-Fi 6 due to the number of antennas. However, all revisions of Turriss Omnia released between 2016 and 2020 are supported, as well as all NO Wi-Fi and 4G versions.

### **Warning**

To use 5G kit, USB 3.0 is needed and thus the front USB port on your Omnia will no longer be available after successful installation of 5G kit.

Content of the 5G kit [!\[\]\(003082e50e3009141f59bd5df831749f\_img.jpg\)](#)

The 5G kit contains everything you need to connect your Omnia router to the 5G network, except of the SIM card. Ask your telco operator for that.

It contains:

- 4 pigtails of various length
- 4 5G antennas
- 1 heatsink
- 1 mPCIe to M.2 adapter
- 1 metal riser
- 1 5G modem Quectel RM500U-EA
- 1 new top cover with extra holes



## Installation [📌](#)

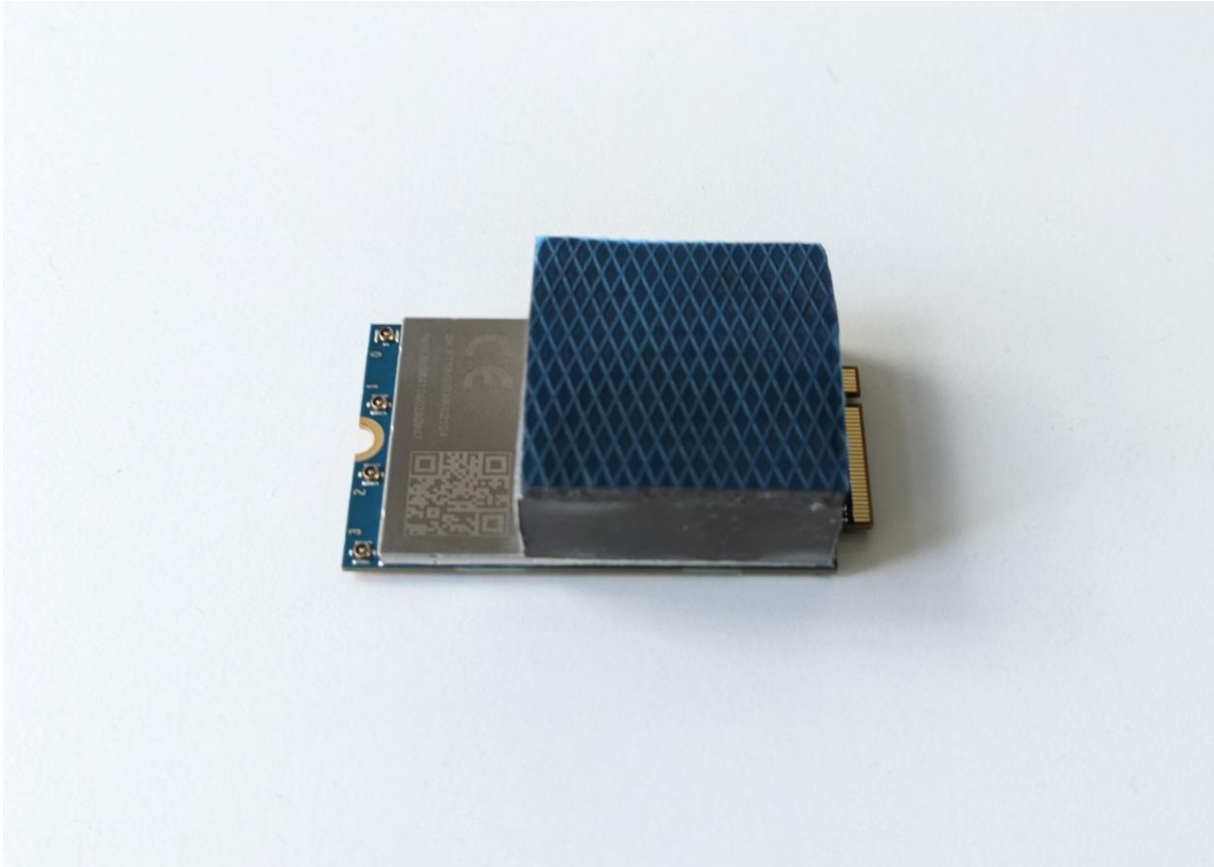
1. Ensure that your Turrís Omnia isn't plugged into the power supply.
2. Insert your 5G SIM card. Make sure that it doesn't require a PIN to be entered.
3. Install the mPCIe to M.2 B key adapter to the leftmost mPCIe slot together with the modem riser.

## Warning

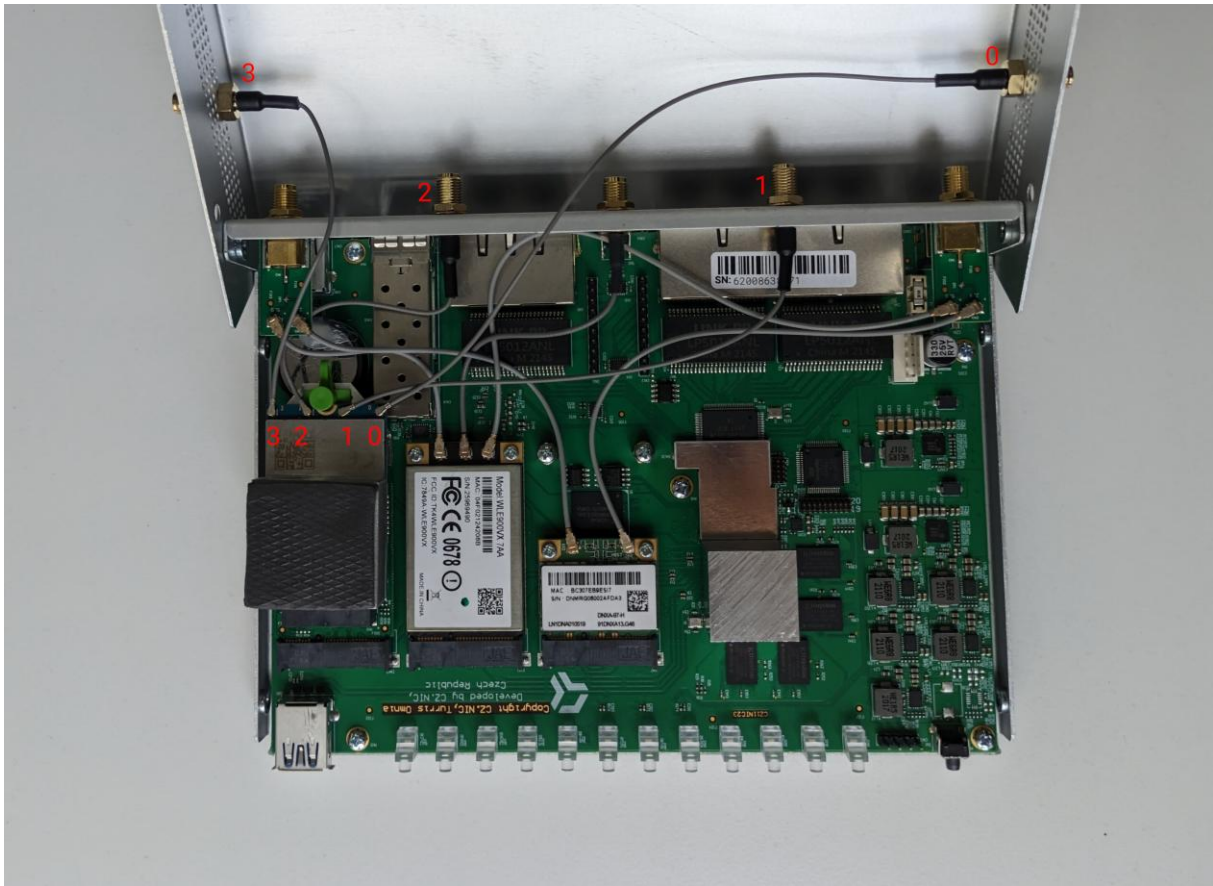
If you own a Turrís Omnia with soldered stand-offs, make sure to use the included washers to maintain proper distance from the SFP cage.



4. Stick the heatsink cube to the modem on the edge of the modem heatsink on the M.2 connector side, as in the picture.



5. Insert the 5G modem with heatsink into the M.2 slot and secure it with the plastic pin on the modem riser.
6. Install the pigtails. Two of them go directly to the case, two more to the top cover.
  - a. Install the pigtails as pictured.
    - Pigtail 0 is 20.5 cm (right side of the top cover)
    - Pigtail 1 is 14.5 cm (right side of the case back)
    - Pigtail 2 is 9.5 cm (left side of the case back)
    - Pigtail 3 is 11.5 cm (left side of the top cover)



7. Take off the protective foil from the thermal gum on top of the heatsink.
8. Put the router back together.
9. Install the 5G antennas.
10. Power on the router. Go to the *Package Management* -> *Packages* and select *5G kit* support. Save your options and wait for the software support to be installed. You need to be connected to the Internet by some other means for this to work.

**Support for Turrís Omnia 5G kit** Experimental  
Support for Turrís Omnia 5G kit. Reroutes front USB 3.0 to the internal slot to support it.

11. Wait for the installation to complete and for notification about the update to show up. Then reboot your router, and once it boots up, you should have your 5G modem setup as a backup connectivity.

