P/N: 15G062357001AK V1.1

# ASRock 802.11ax Wi-Fi 6E Kit

## Package Contents

- 1 x Quick Installation Guide
- 1 x 802.11ax Wi-Fi 6E Module
- 2 x WiFi 2.4/5/6 GHz Antennas
- 2 x SMA Wi-Fi Antenna Cables
- 1 x Plastic Cover for Wi-Fi Module
- 1 x Screw for Wi-Fi Module

## Specifications

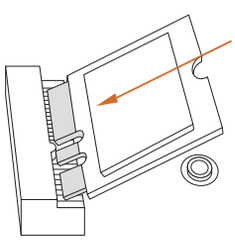
| | |
|---|---|
| **Dimensions** | • 22mm x 30mm x 2.4mm |
| **Form Factor** | • M.2 2230 |
| **Wi-Fi Certified** | • Wi-Fi 6E (802.11a/b/g/n/ac/ax) |
| **TX/RX Streams** | • 2x2 |
| **Bands** | • Dual-Band 2x2 with extended 6GHz band* support<br>* Wi-Fi 6E (6GHz band) will be supported by Microsoft® Windows® 11. The availability will depend on the different regulation status of each country and region. It will be activated (for supported countries) through Windows Update and software updates once available.<br>* A 6GHz compatible router is required for 6E functionality. |
| **Bluetooth Version** | **Intel 802.11ax Wi-Fi 6E Kit**:<br>• 5.3<br>**AMD 802.11ax Wi-Fi 6E Kit**<br>• 5.2 |
| **OS** | **Intel 802.11ax Wi-Fi 6E Kit**<br>• Microsoft® Windows® 10 64-bit / 11 64-bit, Linux, Chrome OS<br>**AMD 802.11ax Wi-Fi 6E Kit**<br>• Microsoft® Windows® 10 64-bit / 11 64-bit |

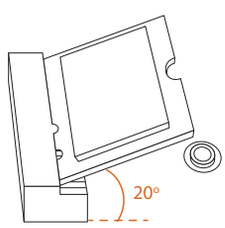
* Intel 802.11ax Wi-Fi 6E Kit is compatible with ASRock Intel® 600 series motherboard and later models. AMD 802.11ax Wi-Fi 6E Kit is compatible with ASRock motherboard models only. Please check the support list on the ASRock website before purchasing.

*The illustrations in this guide are for reference purposes only and may not exactly match the model you purchase.*

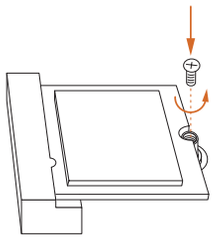
## 1 Installing the Wi-Fi Module

1. Turn off the AC power.
2. Align and gently insert the Wi-Fi module into the M.2 Wi-Fi slot. Please be aware that the module only fits in one orientation.



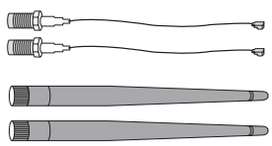



3. Tighten the screw with a screwdriver to secure the module into place. Please do not overtighten the screw as this might damage the module.

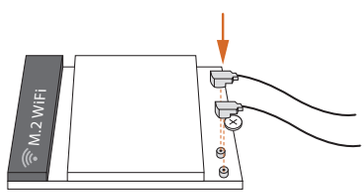


## 2 Installing the Wi-Fi Antennas

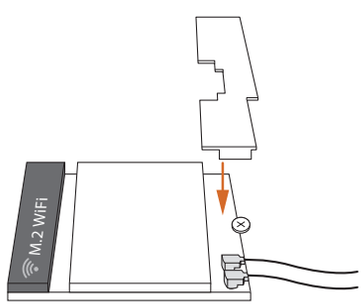
1. Prepare the SMA Wi-Fi Antenna Cables and WiFi 2.4/5/6 GHz Antennas that come with the package.



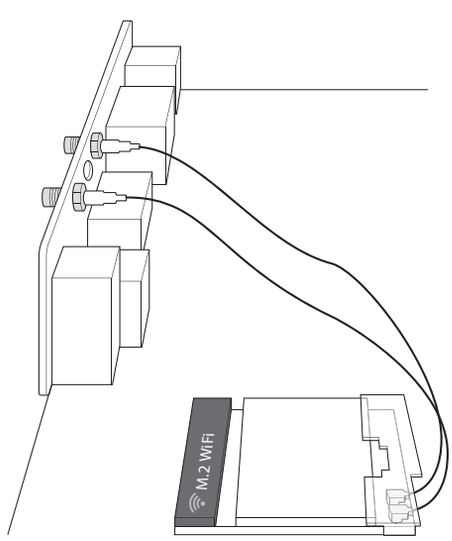

2. Attach the SMA Wi-Fi Antenna Cables to the WiFi Module.



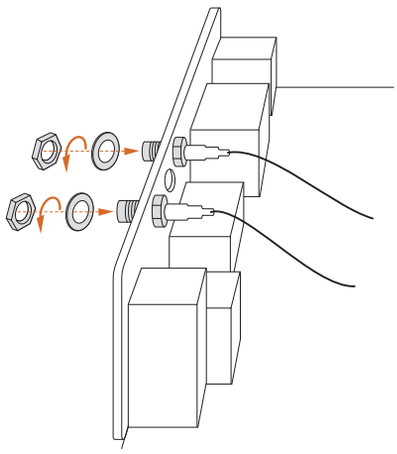

3. Attach the plastic cover to the WiFi Module.



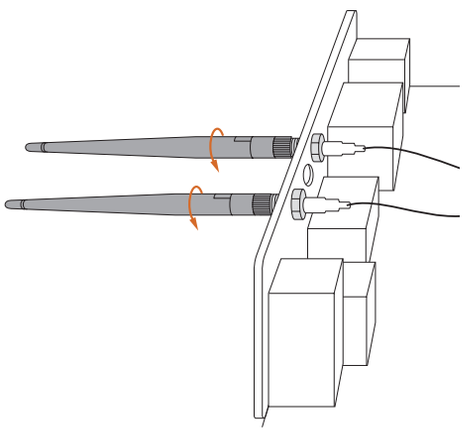

4. Insert the two RF cables into the antenna ports on the I/O shield.



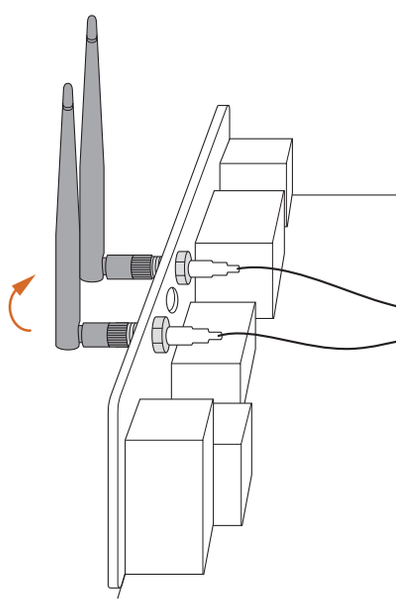
5. Secure the RF cables with the bundled screw nuts and washers.

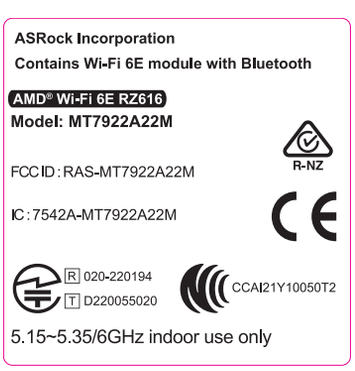


6. Connect the two WiFi 2.4/5/6 GHz Antennas to the antenna connectors. Turn the antenna clockwise until it is securely connected.



7. Set the WiFi 2.4/5/6 GHz Antennas at 90-degree angle.
*You may need to adjust the direction of the antenna for a stronger signal.






This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

ASRock INC. hereby declares that this device is in compliance with the essential requirements and other relevant provisions of related UKCA Directives. Full text of UKCA declaration of conformity is available at: http://www.asrock.com

ASRock INC. hereby declares that this device is in compliance with the essential requirements and other relevant provisions of related Directives. Full text of EU declaration of conformity is available at: http://www.asrock.com

ASRock follows the green design concept to design and manufacture our products, and
makes sure that each stage of the product life cycle of ASRock product is in line with global
environmental regulations. In addition, ASRock disclose the relevant information based on regulation requirements.

Please refer to https://www.asrock.com/general/about.asp?cat=Responsibility for information disclosure based on regulation requirements ASRock is complied with:

## CE Warning

This device complies with directive 2014/53/EU issued by the Commision of the European Community.

This equipment complies with EU radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Operations in the 5.15-5.35GHz band are restricted to indoor usage only.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | AT | BE | BG | CH | CY | CZ | DE |
| | DK | EE | EL | ES | FI | FR | HR |
| | HU | IE | IS | IT | LI | LT | LU |
| | LV | MT | NL | NO | PL | PT | RO |
| | SE | SI | SK | TR | | | |

Radio transmit power per transceiver type

| Function | Frequency | Maximum Output Power (EIRP) |
|---|---|---|
| WiFi | 2400-2483.5 MHz | 18.5 + / -1.5 dbm |
| | 5150-5250 MHz | 21.5 + / -1.5 dbm |
| | 5250-5350 MHz | 18.5 + / -1.5 dbm (no TPC)<br>21.5 + / -1.5 dbm (TPC) |
| | 5470-5725 MHz | 25.5 + / -1.5 dbm (no TPC)<br>28.5 + / -1.5 dbm (TPC) |
| | 5725-5850 MHz | 11 + / -1.5 dbm |
| | 5945-6425 MHz | 21 + / -1.5 dbm |
| Bluetooth | 2400-2483.5 MHz | 8.5 + / -1.5 dbm |