# ASUS XT8 ZenWiFi AX6600 Tri Band WiFi Router User Guide



IN SEARCH OF INCREDIBLE

ZenWiFi

**AX6600 Tri-Band WiFi Router**

**User Guide**

**Quick Start Guide**

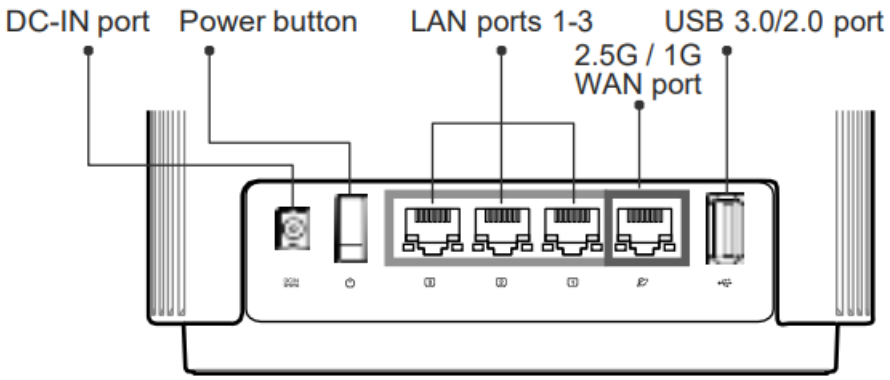
Contents

1 Hardware Explanations
2 Button and Port Explanations
3 Specifications:
4 Before Setup
5 ASUS ROUTER APP
6 AiMesh Setup Steps
7 Troubleshooting
8 FAQ FREQUENTLY ASKED QUESTIONS
9 Safety Notices
10 Documents / Resources
10.1 References
11 Related Posts

## Hardware Explanations

1. Plug the adapter into the DC-IN port, and press the power button.
2. The power LED will light up when your hardware is ready.

## Button and Port Explanations




2.5G / 1G WAN port
Connect your optical modem to this port with a network cable.
LAN ports 1-3
Connect your PC to a LAN port with a network cable.

## Specifications:

| | | | |
|---|---|---|---|
| DC Power adapter | DC Output: +19V with max 1.75A current | | |
| Operating Temperature | 0~40ºC | Storage | 0~70 |
| Operating Humidity | 50~90% | Storage | 20~90% |

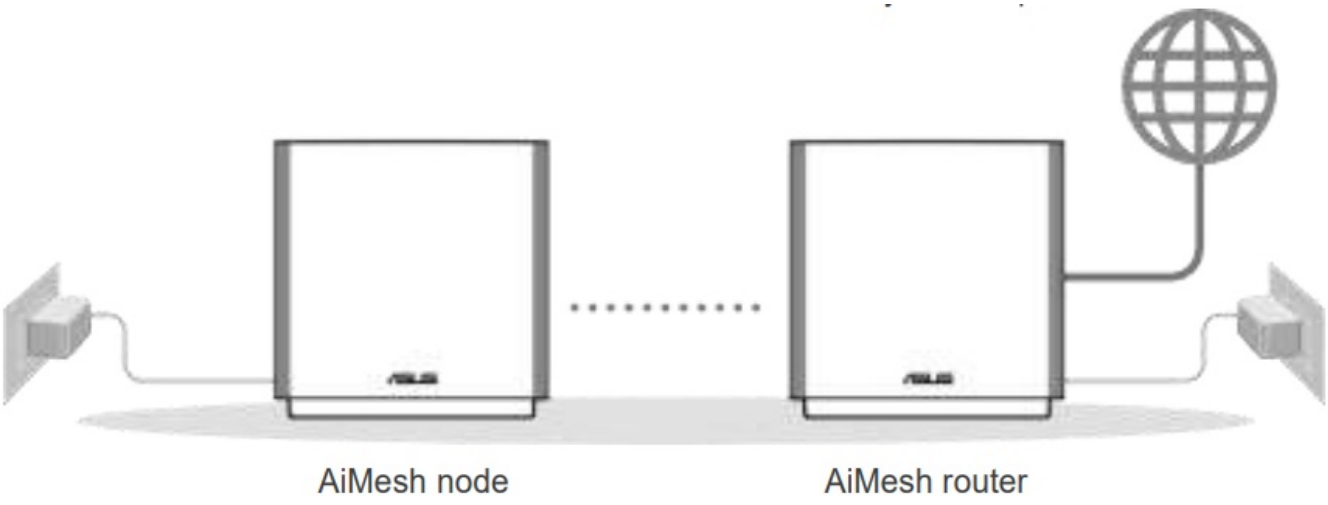
## Before Setup

Preparing to set up an AiMesh Wi-Fi system

1. Find two ZenWiFi XT8, and power both on.
2. Use a network cable to connect your optical modem to the WAN port of either ZenWiFi XT8.

This ZenWiFi XT8 will be the AiMesh router, and the other ZenWiFi XT8 will be the AiMesh node.

3. The LED turns solid blue to indicate that ZenWiFi XT8 is ready for setup.




### ASUS ROUTER APP

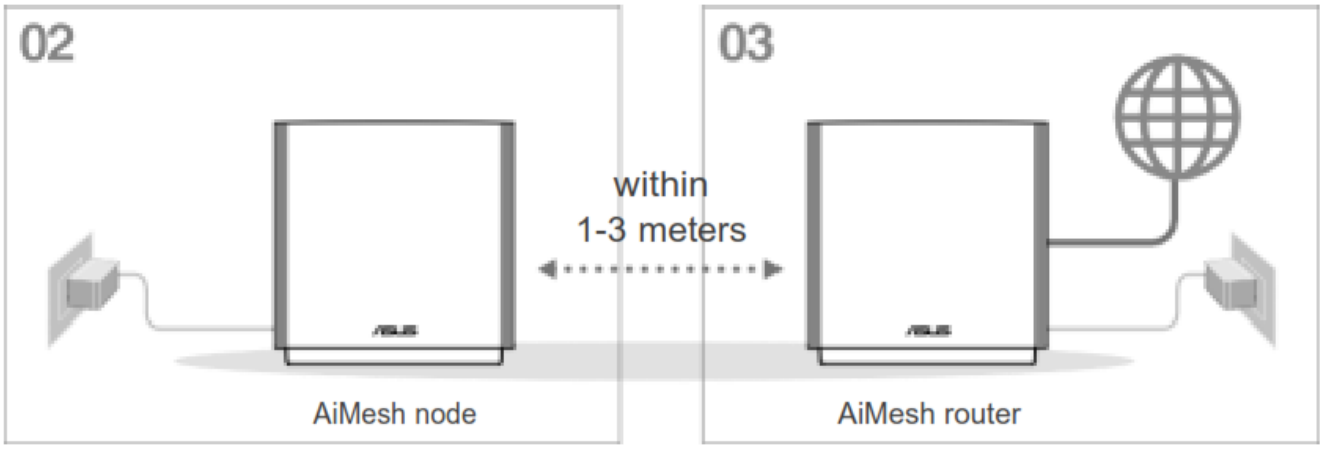
Download free ASUS Router APP to set up and manage your router(s).

| | |
|---|---|
| GET IT ON Google Play | |
| http://itunes.apple.com/app/asus-router/id1033794044 | http://itunes.apple.com/app |

### AiMesh Setup Steps

1. **Prepare**

   Place your AiMesh router and node within 1-3 meters of each other during the setup process.




2. **AiMesh node**

   Keep your AiMesh node powered on and on standby for AiMesh system settings.

3. **Enabling Bluetooth**

   Enable Bluetooth on your phone.

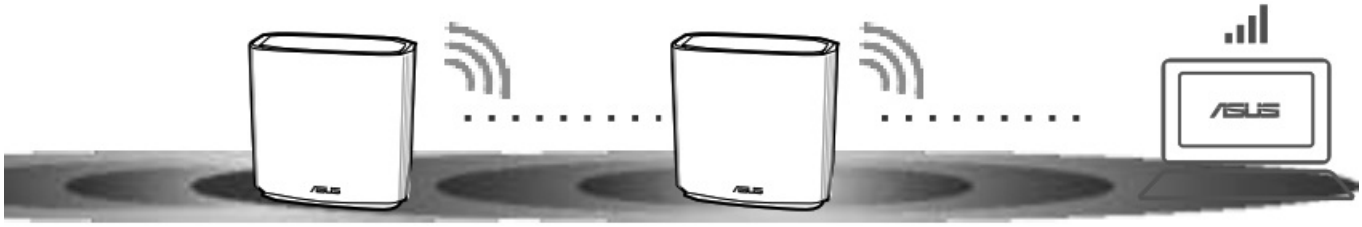
4. **Launching ASUS Router APP**

   Launch ASUS Router APP, and then follow the on-screen instructions to finish the AiMesh setup.

**NOTE:** When you're using a wireless backhaul to connect your router and AiMesh node, the WAN port on your AiMesh node can be used as a LAN port providing up to 2.5G transmission speed.

## Troubleshooting

If your AiMesh router cannot find any AiMesh node nearby or synchronization fails, please check the following and try again.
a Move your AiMesh node closer to the AiMesh router ideally. Ensure that it is within 1-3 meters.
b Your AiMesh node is powered on.
Relocation
**THE BEST PERFORMANCE**
Locate the AiMesh router and node at the best place.



NOTES: To minimize interference, keep the routers away from devices like cordless phones, Bluetooth devices and microwave ovens.
We recommend that you place the routers in an open or spacious location.
ZenWiFi XT8 LED indications

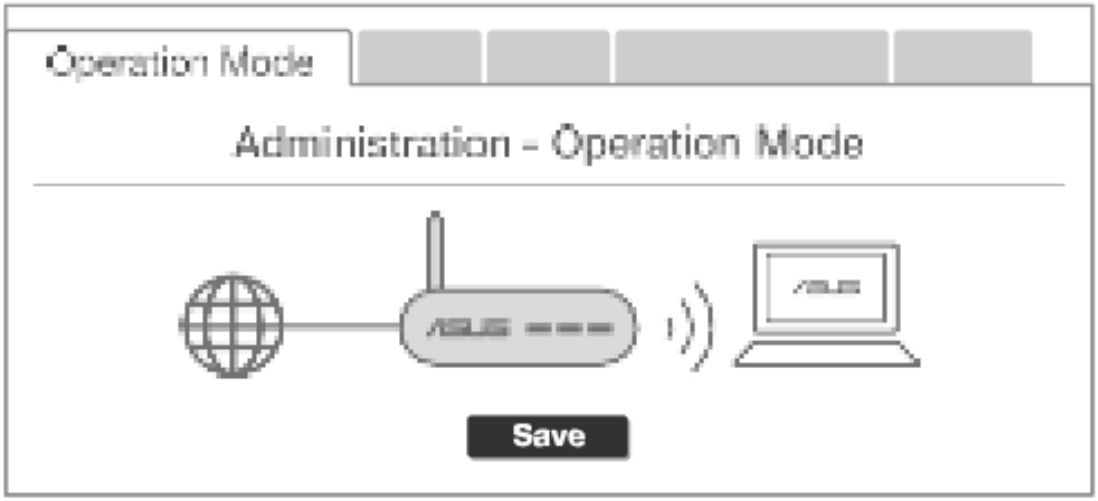
Solid white: Good signal

Solid yellow: Weak signal

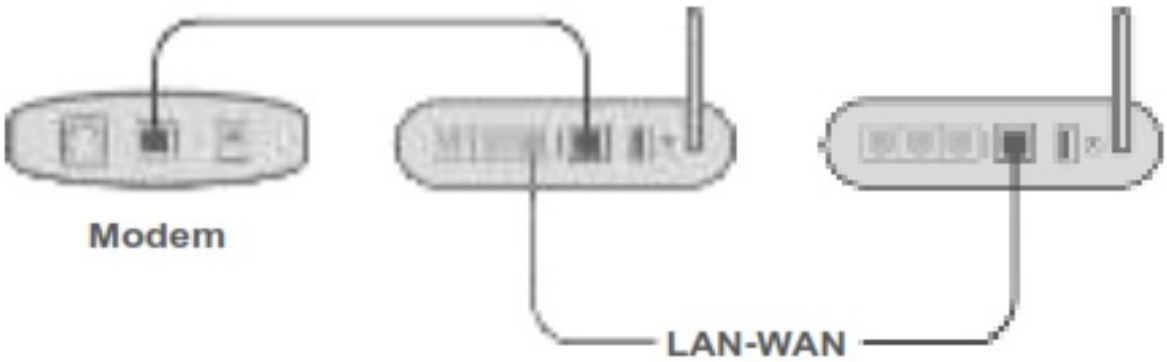
Solid red: No signal

## FAQ FREQUENTLY ASKED QUESTIONS

Q1: Does the AiMesh router support Access Point mode?
A: Yes. You can choose to set the AiMesh router as router mode or access point mode. Please go to web GUI (**http://router.asus.com**), and go to the page Administration > Operation Mode.



**Q2:Could I set up a wired connection between AiMesh routers (Ethernet backhaul)?**
A: Yes. AiMesh system supports both wireless and wired connections between the AiMesh router and node to maximize throughput and stability. AiMesh analyzes the wireless signal strength for each frequency band available and then determines automatically whether a wireless or wired connection is best to serve as the inter-router connection backbone.

1. Follow the setup steps to establish a connection between the AiMesh router and node via Wi-Fi first
2. Place the node in the ideal locations for the best coverage. Run an Ethernet cable from the LAN port of the AiMesh router to the WAN port of the AiMesh node.
3. 

AiMesh system will auto-select the best path for data transmission, whether wired or wireless.

**ASUS Recycling/Takeback Services**
ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for you to
be able to responsibly recycle our products, batteries, other components, as well as packaging materials. Please go to **http://csr.asus.com/english/Takeback.htm** for the detailed recycling information in different regions.
**REACH**
Complying with the REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals) regulatory framework, we published the chemical substances in our products at the ASUS REACH website at **http://csr.asus.com/english/REACH.htm**
Federal Communications Commission Statement
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- 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.

**WARNING!** Any changes or modifications not expressly approved by the party responsible for compliance could

void the user's authority to operate the equipment.

**Prohibition of Co-location**

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

IMPORTANT NOTE:

Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. To maintain compliance with FCC exposure compliance requirements, please follow operation instructions as documented in this manual.

WARNING! This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Compliance Statement of Innovation, Science and Economic Development Canada (ISED)

This device complies with Innovation, Science, and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

CAN ICES-3(B)/NMB-3(B)

Radio Frequency (RF) Exposure Information

The radiated output power of the ASUS Wireless Device is below the Innovation, Science, and Economic Development Canada radio frequency exposure limits. The ASUS Wireless Device should be used in such a manner that the potential for human contact during normal operation is minimized.

This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and any part of your body.

This device has been certified for use in Canada. The status of the listing in the Innovation, Science and Economic Development Canada's REL (Radio Equipment List) can be found at the following web address: **http://www.ic.gc.ca/eic/site/ceb-bhst.nsf/eng/h_tt00020.html**

Additional Canadian information on RF exposure also can be found at the following web: **https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08792.html**

**Precautions for the use of the device**

a. Pay particular attention to personal safety when use this device in airports, hospitals, gas stations and professional garages.

b. Medical device interference: Maintain a minimum distance of at least 15 cm (6 inches) between implanted medical devices and ASUS products in order to reduce the risk of interference.

c. Kindly use ASUS products in good reception conditions in order to minimize the radiation level.

d. Keep the device away from pregnant women and the lower abdomen of the teenager.

| | |
|---|---|
| Manufacturer | ASUSTeK Computer Inc.<br>Tel: +886-2-2894-3447<br>Address: 4F, No. 150, LI-TE RD., POITOU, TAI |
| Authorized representative in Europe | ASUS Computer GmbH<br>Address: HARKORT STR. 21-23, 40880 RATIN |
| Authorized distributors in Turkey | BOGAZICI BILGISAYAR TICARET VE SANAYI<br>Tel./FAX No.: +90 212 331 10 00 / +90 212 332<br>Address: ESENTEPE MAH. BUYUKDERE CAI<br>BLOK NO.121 SISLI, ISTANBUL 34394 |

**Networks Globe Hotline Information**

| Area | Country/ Region | Hotline Number | Service Hours |
|---|---|---|---|
| Europe | Cyprus | 800-92491 | 09:00-13:00;<br>14:00-18:00 Mon-Fri |
| | France | 0033-170949400 | 09:00-18:00 Mon-Fri |
| | Germany | 0049-1805010920<br>0049-1805010923<br>(component support<br>0049-2102959911 (Fax) | 09:00-18:00 Mon-Fri<br>10:00-17:00 Mon-Fri |
| | Hungary | 0036-15054561 | 09:00-17:30 Mon-Fri |
| | Italy | 199-400089 | 09:00-13:00 ;<br>14:00-18:00 Mon-Fri |
| | Greece | 00800-44142044 | 09:00-13:00 ;<br>14:00-18:00 Mon-Fri |
| | Austria | 0043-820240513 | 09:00-18:00 Mon-Fri |
| | Netherlands/ Luxembourg | 0031-591570290 | 09:00-17:00 Mon-Fri |
| | Belgium | 0032-78150231 | 09:00-17:00 Mon-Fri |
| | Norway | 0047-2316-2682 | 09:00-18:00 Mon-Fri |
| | Sweden | -858769361 | 09:00-18:00 Mon-Fri |
| | Finland | 00358-969379690 | 10:00-19:00 Mon-Fri |
| | Denmark | 0045-38322943 | 09:00-18:00 Mon-Fri |
| | Poland | 0048-225718040 | 08:30-17:30 Mon-Fri |
| | Spain | 0034-902889688 | 09:00-18:00 Mon-Fri |
| | Portugal | 00351-707500310 | 09:00-18:00 Mon-Fri |
| | Slovak Republic | 00421-232162621 | 08:00-17:00 Mon-Fri |
| | Czech Republic | 00420-596766888 | 08:00-17:00 Mon-Fri |
| | Switzerland-German | 0041-848111010 | 09:00-18:00 Mon-Fri |
| | Switzerland-French | 0041-848111014 | 09:00-18:00 Mon-Fri |
| | Switzerland-Italian | 0041-848111012 | 09:00-18:00 Mon-Fri |
| | United Kingdom | 0044-1442265548 | 09:00-17:00 Mon-Fri |
| | Ireland | 0035-31890719918 | 09:00-17:00 Mon-Fri |
| | Russia and CIS | 008-800-100-ASUS | 09:00-18:00 Mon-Fri |
| | Ukraine | 0038-0445457727 | 09:00-18:00 Mon-Fri |

**NOTES:**
UK support e-mail: **network_support_uk@asus.com**
For more information, visit the ASUS support site at: **https://www.asus.com/support**
**CE statement**
**Simplified EU Declaration of Conformity**

ASUSTek Computer Inc. hereby declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. Full text of EU declaration of conformity is available at **https://www.asus.com/ca-en/Networking/ZenWiFiXT8/HelpDesk_Declaration/.**

Declaration of Conformity for Ecodesign directive 2009/125/EC

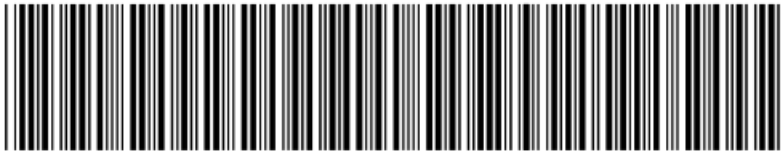
Testing for eco-design requirements according to (EC) No 1275/2008 and (EU) No 801/2013 has been conducted. When the device is in Networked Standby Mode, its I/O and network interface are in sleep mode and may not work properly. To wake up the device, press the Wi-Fi on/off, LED on/off, reset, or WPS button. This equipment complies with EU radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body. All operational modes: 2.4GHz: 802.11b, 802.11g, 802.11n (HT20), 802.11n (HT40), 802.11ac(VHT20), 802.11ac (VHT40), 802.11ax(HE20), 802.11ax(HE40) 5GHz: 802.11a, 802.11n (HT20), 802.11n (HT40), 802.11ac (VHT20), 802.11ac(VHT40), 802.11ac (VHT80), 802.11ac(VHT160), 802.11ax(HE20), 802.11ax(HE40), 802.11ax(HE80), 802.11ax(HE160) The frequency, channel, and the maximum transmitted power in EU are listed below: 2400-2483.5MHz (1-13): OFDM: 19.9dBm(97.7mW); CCK: 17.9dBm(61.7mW) 5150-5250MHz (36-48): 22.9dBm(195mW) 5250-5350MHz (52-64): 22.9dBm(195mW) 5470-5725MHz (100-140): 29.9dBm(977mW)

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range. The adapter shall be installed near the equipment and shall be easily accessible.

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

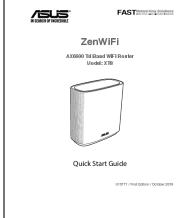
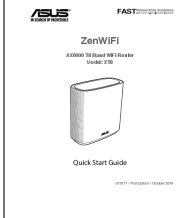
## Safety Notices

- Use this product in environments with ambient temperatures between 0°C(32°F) and 40°C(104°F).
- Refer to the rating label on the bottom of your product and ensure your power adapter complies with this rating.
- DO NOT place on uneven or unstable work surfaces. Seek to service if the casing has been damaged.
- DO NOT place or drop objects on top and do not shove any foreign objects into the product.
- DO NOT expose to or use near liquids, rain, or moisture. DO NOT use the modem during electrical storms.
- DO NOT cover the vents on the product to prevent the system from getting overheated.
- DO NOT use damaged power cords, accessories, or other peripherals.
- If the Adapter is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.
- To prevent electrical shock hazards, disconnect the power cable from the electrical outlet before relocating the system.



15020226501 MAS R02 AMD

## Documents / Resources

| | |
|---|---|
|  | [ASUS XT8 ZenWiFi AX6600 Tri Band WiFi Router] [pdf] User Guide<br>XT8, ZenWiFi AX6600 Tri Band WiFi Router, XT8 ZenWiFi AX6600 Tri Band WiFi Router |
|  | [ASUS XT8 ZenWiFi AX6600 Tri Band WiFi Router] [pdf] User Manual<br>XT8, ZenWiFi AX6600 Tri Band WiFi Router, AX6600 Tri Band WiFi Router, Band WiFi Router, WiFi Router, Router, XT8 |
|  | [ASUS XT8 ZenWiFi AX6600 Tri Band WiFi Router] [pdf] User Guide<br>XT8 ZenWiFi AX6600 Tri Band WiFi Router, XT8, ZenWiFi AX6600 Tri Band WiFi Router, ZenWiFi WiFi Router, AX6600 Tri Band WiFi Router, Tri Band WiFi Router, Tri Band Router, WiFi Router, AX6600, WiFi, Router |
|  | [ASUS XT8 ZenWiFi AX6600 Tri Band WiFi Router] [pdf] User Guide<br>XT8 ZenWiFi AX6600 Tri Band WiFi Router, XT8, ZenWiFi AX6600 Tri Band WiFi Router, Tri Band WiFi Router, Band WiFi Router, WiFi Router, Router |

## References

- ASUS Global
- WiFi 6 - All seriesï½œASUS Canada
- ASUS ESG website, ASUS ESG goal
- Global Take Back Service | Resource Regeneration | Circular Economy | ASUS ESG website, ASUS ESG goal
- ASUS Global
- ASUS Canada
- WiFi 6 - All seriesï½œASUS Canada
- WiFi 6 - All seriesï½œASUS Canada
- WiFi 6 - All seriesï½œASUS Canada
- ï½œï½œASUS Canada
- ï½œï½œASUS Canada
- Official Support | ASUS Global
- Radio equipment list (REL)
- Frequently Asked Questions (FAQ) on Radiofrequency (RF) Energy and Health
- ASUS Global
- ASUS Canada
- WiFi 6 - All seriesï½œASUS Canada
- WiFi 6 - All seriesï½œASUS Canada

- Official Support | ASUS Global
- Frequently Asked Questions (FAQ) on Radiofrequency (RF) Energy and Health