4G-AX56

Cat.6 300Mbps Dual-Band WiFi 6 LTE Router, data rate up to 1800Mbps

- **New-generation WiFi 6 -** Enjoy ultrafast speeds up to 1800 Mbps with the latest WiFi 6 (802.11ax) standard and 80MHz bandwidth for better capacity and efficiency.
- **Easy WiFi Portal –** Easy share your network with click-through Free WiFi portal; grow your business with sign-on Captive Portal to set up customer or visitor WiFi within steps.
- **Ultimate 4G Speed -** 4G LTE Category 6 technology lets you enjoy 7X faster speeds than 3G mobile broadband.
- **Commercial-grade home network security** – Lifetime free ASUS AiProtection Pro, powered by Trend Micro™, with WPA3 and advanced Parental Controls to protect your home.

Get Your Home Ready for WiFi 6 (802.11ax)

The growing number of connected personal and IoT devices has led to an overall increase in network density that is pushing the limits of the current WiFi standard. The latest WiFi 6 standard provides future-proof technologies, higher network efficiency, faster WiFi speeds, greater coverage and improved battery life for connected devices, providing a significantly better networking experience for users.
*It requires WiFi 6-compatible devices to enjoy the benefits brought by WiFi 6 WiFi standard.

Next-Gen WiFi Speed

ASUS 4G-AX56 is a 2x2 dual-band WiFi 6 LTE Modem Router that provides 80MHz bandwidth and 1024-QAM for dramatically faster wireless connections. With a total networking speed of about 1800Mbps — 574Mbps on the 2.4GHz band and 1201Mbps on the 5GHz band — 4G-AX56 is 1.5X faster than WiFi 5 2x2 dual-band LTE Modem Router .

WiFi 6 2X2   1800Mbps   **1.5X Faster**
WiFi 5 2X2   1200Mbps
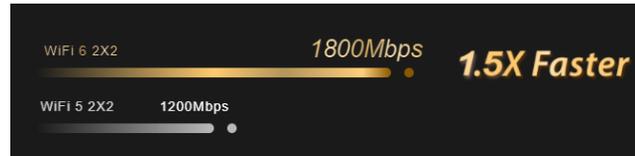
Better Battery Life for Your Devices

Target Wake Time (TWT) allows 4G-AX56 to schedule designated intervals for devices to transmit data. This allows them to sleep when there is no need to wait for a router signal, reducing power consumption by up to 7X for significantly improved battery life*.

WiFi that Goes Farther

With the latest WiF6 WiFi standard featuring OFDMA technology, 4G-AX56 provides increased WiFi signal range and better coverage by dividing each channel into smaller sub-channels. These sub-channels have a smaller bandwidth that enables them to travel up to 80% farther1, resulting in a better WiFi connection throughout your home*.

The true wireless network where you need it

4G-AX56 offers unparalleled convenience of use. Long-term tests guarantee wide compatibility and reliability. Just insert a Nano SIM card and enjoy the convenience of 3G/4G mobile broadband connection anywhere for home and SOHO with less mess of cable.

Super-fast mobile broadband

4G-AX56 features the latest LTE Category 6 mobile broadband, which combines two cellular bands to give you internet download speeds of up to 300Mbps — 2X faster than LTE Category 4, and 7X faster than 3G (HSPA+) — so you can share even the biggest files and stream 4K UHD video with ease.
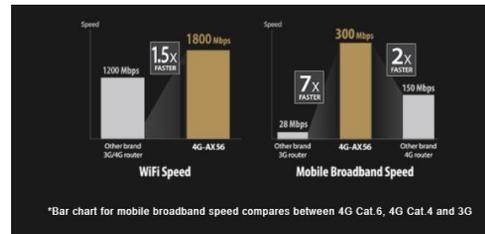
Remove Network Bottlenecks

Adaptive QoS (Quality of Service) lets you keep your network running smoothly by prioritizing network traffic. You can prioritize applications such as streaming video or web surfing, as well as gaming. It's the perfect ally for delivering low-latency WiFi anywhere in your home.

Commercial-grade Security for your Home Network

All your family members, young or old, are exposed to the dangers of internet every single moment they're online. 4G-AX56 includes AiProtection powered by Trend Micro™ with automatic, regularly updated security signatures to protect your devices and personal data from internet threats. This strong security offers advanced parental controls, including the ability to block specific websites and mobile app types.

Connectivity Options

4G-AX56 has one Gigabit WAN port and four Gigabit LAN ports. Smart TV, game consoles, NAS storage devices, backup internet and more can now have their own dedicated ports, making 4G-AX56 your solid digital home hub.
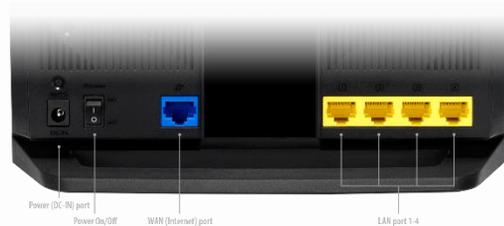
Specifications

Network Standard	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax
Data Rate	802.11a : 6,9,12,18,24,36,48,54 Mbps
	802.11b : 1, 2, 5.5, 11 Mbps
	802.11g : 6,9,12,18,24,36,48,54 Mbps
	802.11ax (2.4GHz) : up to 574 Mbps
	802.11ax (5GHz) : up to 1201 Mbps
Antenna	WiFi: 2 x external detachable antenna; LTE: 1 x external detachable antenna, 1 x internal antenna
Transmit/Receive	2.4GHz 2x2, 5GHz 2x2
Memory	128MB Flash, 512MB RAM
Operating Frequency	2.4 GHz / 5 GHz
Ports	1 x Gigabit WAN port, 4 x Gigabit LAN ports, 1 x Nano SIM tray slot
Button	WPS Button, Reset Button, Power Button
OS Support	Windows® 10
	Windows® 8.1
	Windows® 8
	Windows® 7
	Mac OS
	Linux
Dimensions	22 x 16 x 87.2 ~ cm (WxDxH)
Product weight	753g
Box weight	262g
Box dimension	33.8*22.3*11.4cm(WxDxH)
Package Content	4G-AX56,RJ-45 cable, Power adapter ,Quick Start Guide, Warranty card
Operation mode	Router mode, Access point mode
Note	ASUS Router App
	LTE Channel: 1/3/5/7/8/20/28/38/40/41
	WCDMA Channel:1/3/5/8