

ASUS ZenWiFi BQ16

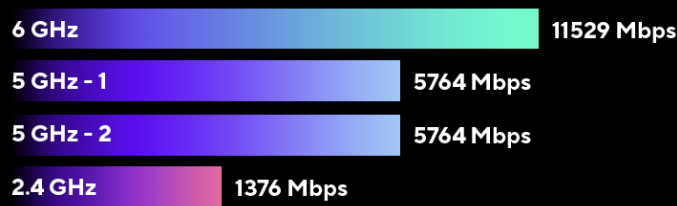
Worry-Free WiFi 7 Smart Home Mesh

- Powerful WiFi 7 mesh future-proofs your smart home with blazing-fast quad-band connectivity up to 25000 Mbps with Multi-Link Operation and 4096-QAM.
- Ultimate AiMesh powered by AI delivers robust backhaul connections with coverage up to 8,000 sq.ft. (2pk), and a feature-rich whole-home network that scales with any ASUS extendable routers.
- Easily establish up to three SSIDs with Smart Home Master for simple IoT device setup and management, instant VPN connections, and convenient parental controls.
- Twelve internal antennas and sixteen high-power front-end modules eliminate WiFi dead zones in all directions while robust heat dissipation enhances WiFi reliability.
- Establish always-on internet through versatile WAN configuration options and convenient USB port ready for 4G LTE and 5G mobile tethering.
- Stay secure with commercial-grade AiProtection Pro powered by Trend Micro™, one-tap security scan, comprehensive VPN support, and site-to-site VPN.
- Advanced parental controls empower digital wellbeing with instant monitoring, hassle-free presets, customizable scheduling and reward settings.



Beyond-fast WiFi 7

The ZenWiFi BQ16 boasts blazing fast speeds of up to 25000 Mbps. With dual 5 GHz bands, it powers the dedicated mesh backhaul and unleash optimal performance and high reliability for all compatible devices.



Ultrawide 320 MHz Bandwidth

WiFi 7 introduces all-new ultrawide 320 MHz channel bandwidth in the 6 GHz band, doubling data transmission capacity.



The Ultimate AiMesh Backhaul

The AiMesh backhaul intelligently harnesses WiFi 7 Multi-Link Operation, automatically aggregating or switching across multiple bands for optimized performance and low latency. Powerful AI algorithms further analyze network conditions and seamlessly adjust the backhaul for a more reliable mesh network, even in crowded WiFi environments.



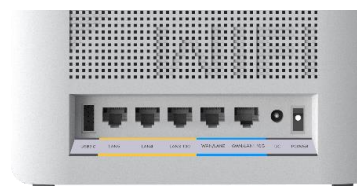
Groundbreaking Tri-band Multi-Link

The innovative Multi-Link Operation (MLO) harnesses WiFi 7 by aggregating or switching seamlessly between 6 GHz, 5 GHz, and 2.4 GHz bands simultaneously, enabling faster speeds with more reliable WiFi connections.



Dual 10G Ports

This future-proof system boasts one 10 Gbps Ethernet WAN/LAN port and one 10 Gbps Ethernet LAN port, making it ready to handle the ever-growing demands of your connected home. Experience ultra-immersive entertainment like 8K HDR gaming and streaming, or power home studio applications with ease.



Smart Home Master

The ZenWiFi BQ16 introduces the innovative Smart Home Master, a powerful and user-friendly tool for network segmentation with up to three SSIDs. This simplifies the process of creating and managing advanced subnetworks scenarios like creating a dedicated SSID for your children's devices, connecting to a VPN through a dedicated subnetwork, or even creating one secure SSID for all your IoT devices.



IoT Network



Kid's Network

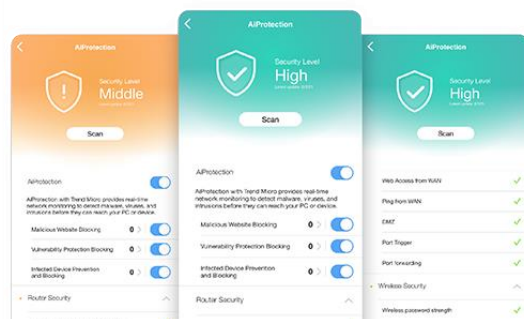


VPN Network



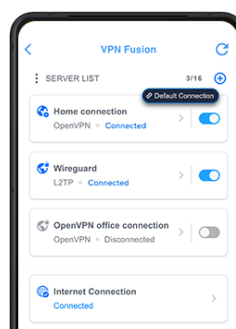
Commercial-grade AiProtection Pro

Stay safe with AiProtection Pro powered by Trend Micro™, with its comprehensive security suite to safeguard against ever-evolving online threats like malware and phishing attacks. The one-tap Security Scan gives you a quick router security check for your WiFi passwords' strength, port configurations, and more.



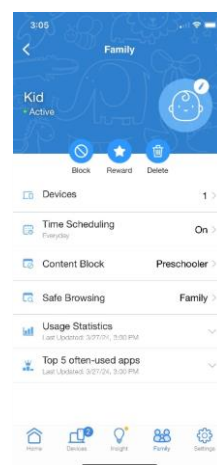
Comprehensive VPN features

The ZenWiFi BQ16 offers extensive VPN capabilities, supporting various protocols including the latest Wireguard® for optimal performance. Whether you want to browse securely on public WiFi or access your home network remotely, the ZenWiFi BQ16 has you covered. Its site-to-site VPN feature even lets you securely connect routers across different networks for seamless data transfers.



Advanced Parental Controls

The ZenWiFi BQ16's built-in advanced parental controls empower you to nurture a balanced digital life for your kids – without subscriptions. Gain valuable insights into their online activity, customize settings seamlessly, and schedule internet access to promote healthy habits.



Specifications	
Network Standard	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.11be
Data Rate	802.11b : up to 11 Mbps 802.11a/g : up to 54 Mbps 802.11n : up to 600 Mbps 802.11ac (5GHz) : up to 4333 Mbps 802.11ax (2.4GHz) : up to 1147 Mbps 802.11ax (5GHz) : up to 4804 Mbps 802.11ax (6GHz) : up to 4804 Mbps 802.11be (2.4GHz): up to 1376Mbps 802.11be (5G-1GHz): up to 5764Mbps 802.11be (5G-2GHz): up to 5764Mbps 802.11be (6GHz): up to 11529Mbps
Antenna	Internal antenna x 12
Transmit/Receive	2.4GHz 4x4, 5GHz-1 4x4, 5GHz-2 4x4, 6GHz 4x4
Memory	256MB Flash, 2GB RAM
Ports	10G WAN/LAN x 1, 1G WAN/LAN x1, 10G LAN x1, 1G LAN x2
Power Supply	AC Input : 110V~240V (50~60Hz) DC Output : 19.3 V with max. 3.33 A current
Encryption	WPA3 Enterprise, WPA3 Personal, WPA2 Personal, WPA Personal, WPA Enterprise , WPA2 Enterprise , WPS support
Management	UPnP, IGMP v1/v2/v3, DNS Proxy, DHCP, NTP Client, DDNS, Port Trigger, Port Forwarding, DMZ, System Event Log
VPN Support	Instant Guard VPN Client L2TP VPN Client Open VPN VPN Client PPTP VPN Client WireGuard VPN Server IPsec VPN Server Open VPN VPN Server PPTP VPN Server WireGuard VPN Fusion
WAN Connection Type	Automatic IP, Static IP, PPPoE (MPPE supported), PPTP, L2TP
Button	WPS Button, Reset Button, Rocker Switch
OS Support	Windows® 11 Windows® 10 Windows® 8.1 Windows® 8 Windows® 7 Windows® XP Mac OS X or higher Linux
Operation mode	Router mode, Access point mode, AiMesh node mode

Specifications

Features	- Router app - Guest Network - Smart Home Master: IoT Network, VPN Network, Kid's Network - Adaptive QoS - AiProtection Pro - Advanced Parental Control - VPN server - VPN client - IPTV support - Bandwidth Limiter
Dimensions	217.9 x 176.7 x 72 mm
Product weight	1.3 kg
Box weight	0.63 kg (1pk) 1.18 kg (2pk)
Box dimension	33.2 x22.7 x 12 cm (1pk) 42.1 x 33.2 x 12 cm (2pk)
Package Content	- BQ16 - Quick Start Guide - Warranty Card - Power adapter - RJ-45 cable