ASUS ExpertWiFi EBM68 AX7800 Tri-band Mesh WiFi 6 System

- **High-efficiency WiFi 6** – Ultrafast WiFi 6 tri-band boosts speeds up to 7,800 Mbps, with 160 MHz channels for better efficiency and throughput
- **Separate and Secure Usage** – Up to five SSIDs to separate and prioritize devices for different business scenarios.
- **Customizable Guest Portal** – Customize the SSID, portal type, brand name and templates to fit your business style.
- **Expandable WiFi Coverage** – ExpertWiFi provides up to 12 mesh node connections to expand your business network with AiMesh features.
- **Enterprise-grade Network Security** – Receive a free subscription to ASUS AiProtection Pro and safe browsing features to secure your WiFi environment.
- **Easy management** – The all-in-one ASUS ExpertWiFi app provides easy setup and hassle-free management of your WiFi network.

Specifications

Network Standard	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax, IPv4, IPv6
Product Segment	AX7800 ultimate performance
Coverage	Very large homes
Data Rate	• 802.11a/g : up to 54 Mbps • 802.11b : up to 11 Mbps • 802.11n : up to 300 Mbps • 802.11ac (1024 QAM) : up to 4333 Mbps • 802.11ax (2.4 GHz) : up to 574 Mbps • 802.11ax (5GHz-1) : up to 2402 Mbps • 802.11ax (5GHz-2) : up to 4804 Mbps
Specification	Operating temperature: 0℃ ~ 40℃ Operating humanity: 50 % ~ 90 %
Antenna	Internal antenna x 6

*160MHz bandwidth may be unavailable in the 5GHz band in some regions/countries, due to regulatory restrictions. And to benefit from WiFi 6 router features, compatible WiFi 6 devices are required.
**Compared to 802.11ac on 5 GHz 80 MHz with 256 QAM modulation.

Transmit/Receive	2.4 GHz 2x2 5 GHz-1 2x2 5 GHz-2 4x4
Memory	256 MB Flash 1 GB RAM
Operating Frequency/power	2.4 GHz < 20dBm, 5 GHz < 30dBm
Power Supply	AC Input : 110V~240V (50~60Hz) DC Output : 12 V with max. 3 A current
Security	WPA/WPA2/WPA3-Personal, WPA/WPA2/WPA3-Enterprise, WPS support, AiProtection Pro, DNS Encryption, Safe Browsing , Two way IPS, 24/7 Cloud-based Protection
Ports	2.5G WAN x 1 RJ45 10/100/1000Mbps LAN x 3 USB 3.2 Gen 1x1
Button	WPS Button Reset Button
OS Support	Windows® 10 Windows® 8 Windows® 7 Mac OS X 10.6 or Above iOS 9.0 or higher
Product Dimensions	16.7x7.7.18.6 cm
Product Weight	808 g
Box Dimensions	40.0±3x26.4±3x14.5±2 cm
Features	ASUS ExpertWiFi app, MU-MIMO, Smart connect, Traffic Analyzer, Adaptive QoS, AiProtection Pro, Parental Control, Guest Network, OFDMA, Beamforming, Bandwidth Limiter, ICMP, VPN server (IPsec, Wireguard, OpenVPN), VPN Client (Wireguard, OpenVPN, L2TP), AiMesh (up to 12 nodes), Dashboard, VLAN (LAN and WAN), Guest Portal, Web Content Filter, Self-Defined Network, Site to Site VPN, Dual WAN, Access Control Preset, IPTV support
Remark	Support wall-mount