

BE3600 Dual-Band Wi-Fi 7 Router

Model: MR27BE

// Highlights

- Amazing 3.6 Gbps Dual Band Wi-Fi 7[†]
- 4× Omni Directional Antennas for Wider Coverage
- 2.5 Gbps Ports for Higher Performance[§]
- Easy Setup with the MERCUSYS App



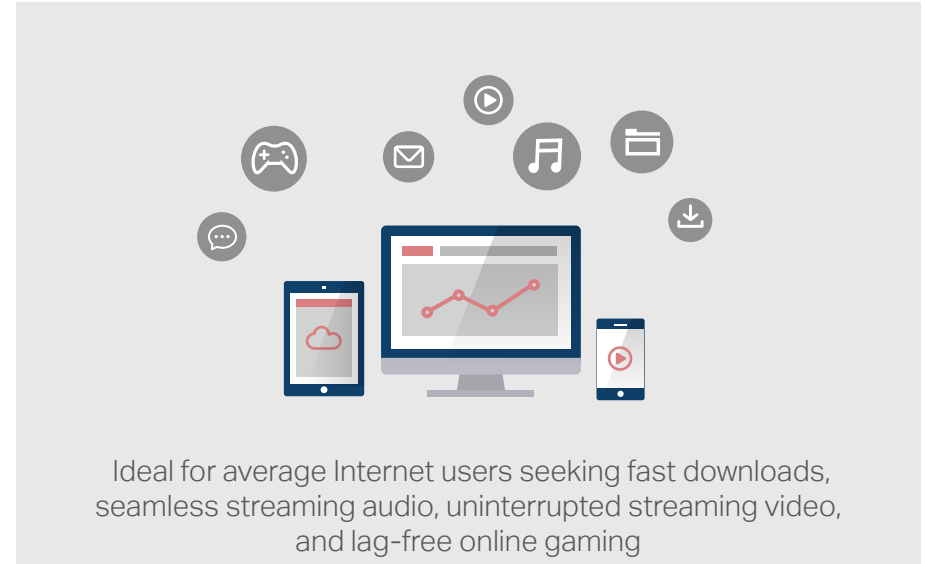
Wi-Fi 7



// Applications



Ideal for large homes with multiple rooms and multiple users



Ideal for average Internet users seeking fast downloads, seamless streaming audio, uninterrupted streaming video, and lag-free online gaming

// Features



Parental Controls

Establish appropriate policies to protect children with responsible, safe internet access



Guest Network

Provides a separate network for guests to ensure your security and privacy



Overall Security Protection

The latest security standard, WPA3, provides improved comprehensive Wi-Fi protection**



Access Point Mode

Extends a wired network and makes it wireless



IPTV Support

Supports IGMP Proxy/Snooping, Bridge, and Tag VLAN to optimize IPTV streaming



IPv6 Support

Allows you to visit IPv6 websites and enjoy IPv6 services provided by your ISP

// Wi-Fi 7 — Take Your Home Network to the Next Level



Fast 3.6 Gbps Dual Band Wi-Fi 7

With up to 160 MHz channels, 4K-QAM, and MLO(Multi-Link Operation), MR27BE improves Wi-Fi speeds to 3.6 Gbps. Experience unlimited 8K streaming and lightning-fast downloading. ^{†‡}

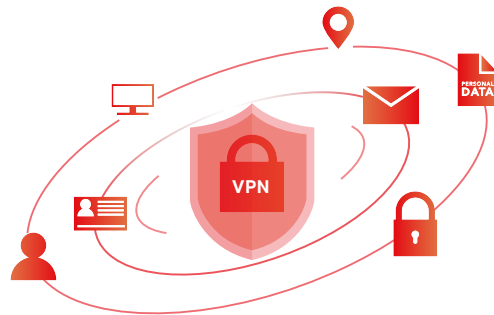


2.5 Gbps Wired Connection

Equipped with 1× 2.5 Gbps WAN port, 1× 2.5 Gbps LAN port and 3× Gigabit ports, MR27BE allows you to take full advantage of your broadband speed. Plug your PCs, smart TVs, game consoles, or NAS devices into the ports for blazing-fast wired connections. [§]

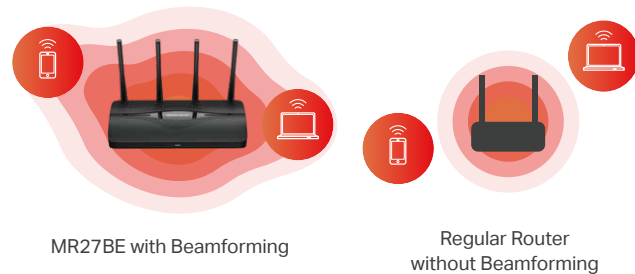
// Secure VPN Access

Easily set up VPN client or server modes directly on the router. Ideal for secure remote access, private browsing, and major protocols compatibility, including WireGuard, OpenVPN, L2TP/IPSec, and PPTP.



// Wider Wi-Fi Coverage

4× omni directional antennas, proprietary Wi-Fi optimization, and Beamforming technology deliver broader coverage, more capacity, stronger and more reliable connections, and less interference.



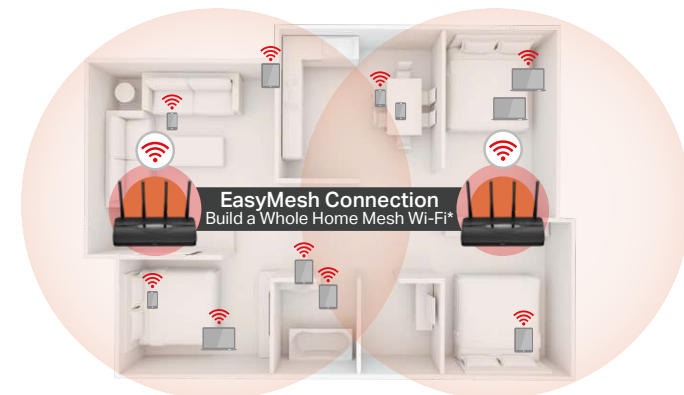
// AI-Powered Smart QoS

Powered by AI algorithms to intelligently identify traffic in real time and allocate network resources. Minimizes latency for smoother connections, keeping gaming, streaming, and video calls at peak performance.



// EasyMesh-Compatible

MR27BE is compatible with EasyMesh for a smooth whole home mesh Wi-Fi network, preventing drops and lag when switching signals. Enjoy uninterrupted streaming while roaming your house.*



// Specifications

Hardware

Ports

1× 2.5 Gbps WAN Port + 1× 2.5 Gbps LAN Port +
3× 1 Gbps LAN Ports[§]

Button

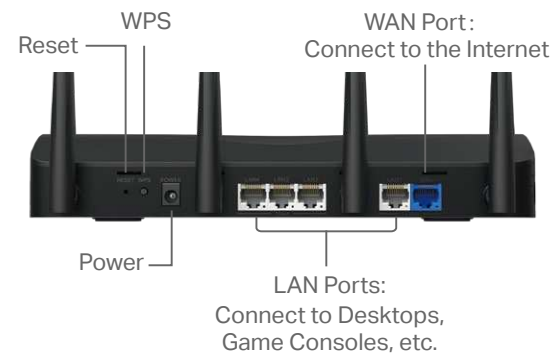
Reset Button, WPS Button

Dimensions

250×119×43.3 mm (9.8×4.7×1.7 in)

Antennas

4× Omni Directional Antennas



Wireless

Wireless Speed

2880 Mbps (5 GHz) + 688 Mbps (2.4 GHz)[†]

Wireless Standards

802.11be/ax/ac/a/b/g/n

Wireless Features

EHT160, 4K-QAM, Multi RU, OFDMA, MU-MIMO,
MLO (Multi-Link Operation)[‡]

Advanced Features

IPTV, IPv6, Access Point Mode, DHCP Server,
and Smart Connect

EIRP

2.4 GHz ≤ 20 dBm

5.17~5.35 GHz ≤ 23 dBm

5.47~5.725 GHz ≤ 30 dBm

Reception Sensitivity:

2.4 GHz:

11ax HE20 MCS0: -96dBm, 11ax HE20 MCS11: -65dBm

11ax HE40 MCS0: -94dBm, 11ax HE40 MCS11: -63dBm

11be EHT20 MCS13: -60dBm, 11be EHT40 MCS13: -58dBm

5 GHz:

11ax HE20 MCS0: -95dBm, 11ax HE20 MCS11: -64dBm

11ax HE40 MCS0: -93dBm, 11ax HE40 MCS11: -62dBm

11ax HE80 MCS0: -89dBm, 11ax HE80 MCS11: -59dBm

11ax HE160 MCS0: -85dBm, 11ax HE160 MCS11: -56dBm

11be EHT20 MCS13: -58dBm, 11be EHT40 MCS13: -56dBm

11be EHT80 MCS13: -53dBm, 11be EHT160 MCS13: -51dBm

Wireless Function

Enable/Disable Wireless Radio, WMM

Security Features

- Wireless Security: WPA-PSK/WPA2-PSK/
WPA3-SAE**
- Guest Network Access
- Firewall Protection
- VPN Support: OpenVPN/PPTP/L2TP/
WireGuard VPN Server and Clients

// Specifications

Software

WAN Type

Dynamic IP/Static IP/PPPoE/L2TP/PPTP

DHCP

Address Reservation, Server, DHCP Client List

NAT Forwarding

Port Forwarding, Port Triggering, UPnP, DMZ

Management

Access Control

Local Management

Remote Management

Firewall Security

SPI Firewall, IP and MAC Address Binding

Guest Network

2.4 GHz Guest Network, 5 GHz Guest Network

Protocols

IPv4, IPv6

Cloud Service

Auto Firmware Upgrade, Mercusys ID, DDNS

DDNS

Mercusys, NO-IP, DynDNS

Quality of Service

QoS by Device

EasyMesh Supported

Parental Controls Supported

Others

Package Contents

- BE3600 Dual-Band Wi-Fi 7 Router MR27BE
- Power Adapter
- Quick Installation Guide
- RJ45 Ethernet Cable

Environment

- Operating Temperature: 0°C~40°C (32°F~104°F)
- Operating Humidity: 10%~90% Non-Condensing
- Storage Humidity: 5%~90% Non-Condensing

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†Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput, wireless coverage, and connected devices are not guaranteed and will vary as a result of internet service provider factors, network conditions, client limitations, and environmental factors, and building materials, obstacles, volume and density of traffic, and client location.

‡Use of Wi-Fi 7 (802.11be), Wi-Fi 6 (802.11ax), and features including Multi-Link Operation (MLO), 160 MHz Bandwidth, 4K-QAM, Multi-RUs, OFDMA, and MU-MIMO requires clients to also support the corresponding features. The 160 MHz bandwidth on the 5 GHz band may be unavailable in some regions/countries due to regulatory restrictions. This router may not support all the mandatory features as ratified in the IEEE 802.11be specification. Further software upgrades for feature availability may be required.

§2.5 Gbps internet speeds require compatible service plans and equipment.

*EasyMesh-compatible products can network with other devices that use EasyMesh. Failed connections may be due to firmware conflicts of different vendors. The EasyMesh-compatible function is still being developed on some models and will be supported in subsequent software updates. This product is compatible with standardized EasyMesh technology but has not obtained the Wi-Fi EasyMesh™ certification.

**Use of WPA3 requires clients to also support the corresponding feature.

Actual network speed may be limited by the rate of the product's Ethernet WAN or LAN port, the rate supported by the network cable, internet service provider factors, and other environmental conditions.