

# BE3600 Dual-Band Wi-Fi 7 Router

Model: MR27BE

## Highlights

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- Amazing 3.6 Gbps Dual Band Wi-Fi 7<sup>†</sup>
- 4× Omni Directional Antennas for Wider Coverage
- 2.5 Gbps Ports for Higher Performance<sup>§</sup>
- More Capacity over 150 Devices<sup>†</sup>

## Easy App Control

The MERCUSYS app helps you set up in minutes and manage your Wi-Fi at home or away through your iOS or Android devices.



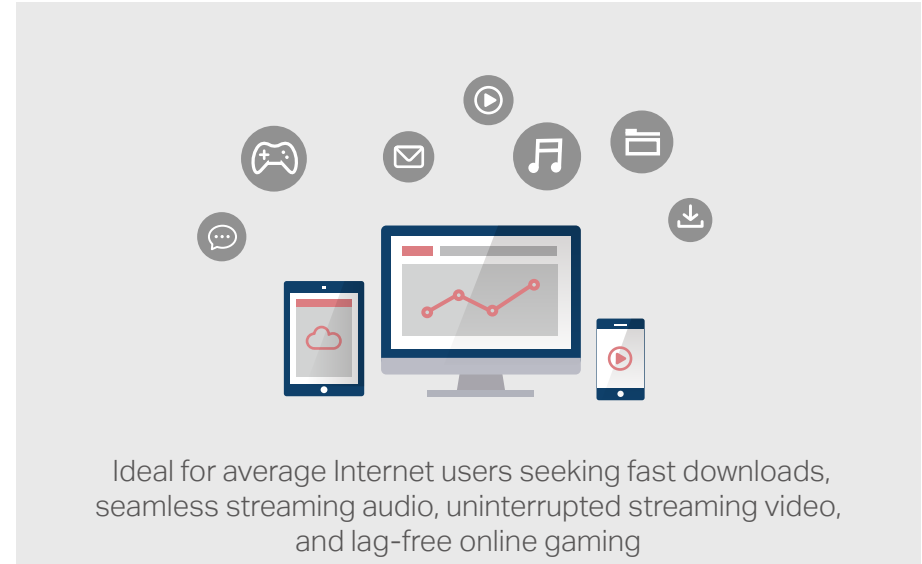
# Wi-Fi 7



## // 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



**Access Point Mode**  
Extends a wired network and makes it wireless



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



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



**Quality of Service**  
Prioritizes devices you select to perform better



**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



### Multi-Link Operation

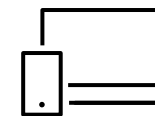
5 GHz 2880 Mbps

2.4 GHz 688 Mbps



#### 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. † ‡



#### Connect over 150 Devices

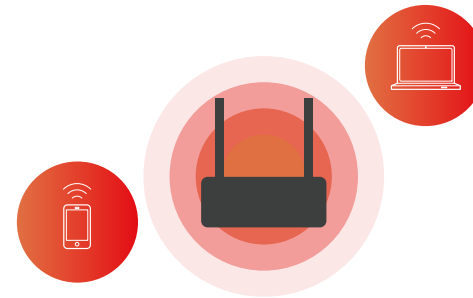
Concurrently uses MU-MIMO and dual band to communicate with numerous devices. Wi-Fi 7 delivers unobstructed signals to your laptop, TV, and IoT devices when combined with the potent CPU. †

## // 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.



MR27BE with Beamforming



Regular Router without  
Beamforming

## // Overall Security Protection

The latest security standard, WPA3, provides improved comprehensive Wi-Fi protection to defend your devices and private information against brute-force attacks.\*\*



## // 2.5 Gbps Ports Wired Connections

Equipped with 1× 2.5 Gbps WAN port, 1× 2.5 Gbps LAN port and 2× 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. §



## // Specifications

### Hardware

#### Ports

1× 2.5 Gbps WAN Port + 1× 2.5 Gbps LAN Port +  
2× 1 Gbps LAN Ports<sup>§</sup>

#### Button

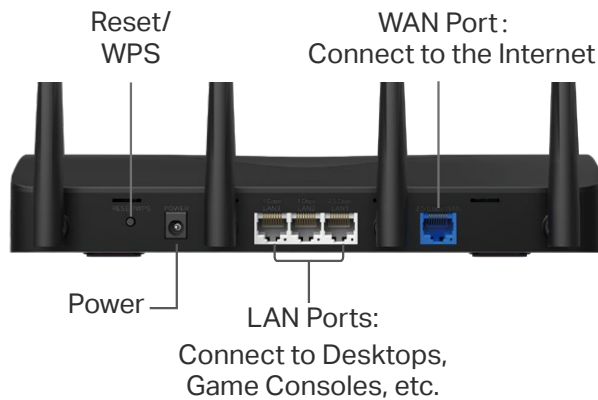
Reset/WPS Button

#### Dimensions

250×119×43.3 mm (9.8×4.7×1.7 in)

#### Antennas

4× Omni Directional Antennas



### Wireless

#### Wireless

2880 Mbps (5 GHz) + 688 Mbps (2.4 GHz)

#### Wi-Fi 7 Features

EHT160, 4K-QAM, Multi RU, OFDMA, MU-MIMO,  
MLO (Multi-Link Operation)<sup>†</sup>

#### Advanced Features

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

#### EIRP

2.4 GHz ≤ 20dBm (EIRP)

5 GHz ≤ 23dBm (band1, band2)

5 GHz ≤ 30dBm (band3)

#### Reception Sensitivity:

2.4 GHz:

11ax HE20 MCS0: -95dBm, 11ax HE20 MCS11: -65dBm

11ax HE40 MCS0: -93dBm, 11ax HE40 MCS11: -63dBm

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

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**WAN Type**

Dynamic IP/Static IP/PPPoE/L2TP/PPTP

**DHCP**

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

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**Package Contents**

- BE3600 Dual-Band Wi-Fi 7 Router
- 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. Over 150 device connections is based on laboratory test data, which analyzed the connections of different devices on the 5 GHz, and 2.4 GHz bands simultaneously. These devices simulated a typical home scenario by running simultaneous applications in the same room that included 4K video, 1080p video, 720p video, file downloading, web browsing, IP cameras, and other IoT devices. 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.