

MERCUSYS®

Wi-Fi 6

AX3000 Whole Home Mesh Wi-Fi System Model: Halo E85X



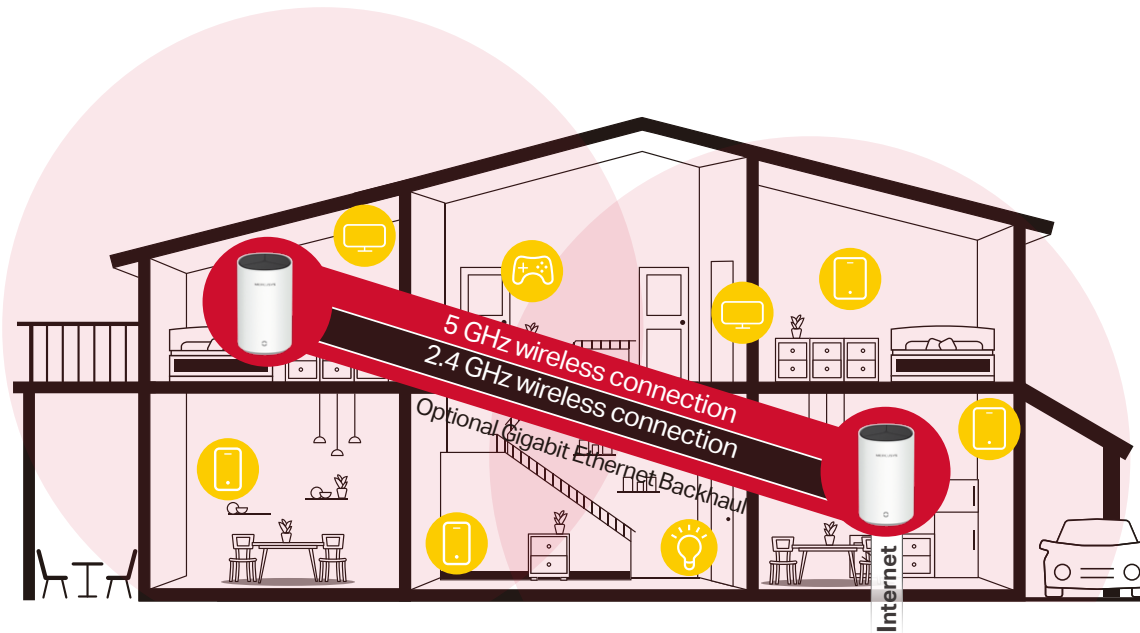
// Highlights

- 3000 Mbps Dual Band Wi-Fi†
- Seamless Roaming with One Wi-Fi Name†
- Connect over 150 Devices‡
- Multi-Gigabit Port§
- Easy App Control



// Fast Wi-Fi 6 for an Upgraded Network Experience

Armed with Wi-Fi 6, Halo E85X improves virtually every aspect of your network, especially when it comes to speed, efficiency, and capacity.▲



1024-QAM
Boosts raw speeds by 25% compared with 256-QAM.



160 MHz Channels
Double channel width for faster connections.



BSS Color
Marks frames from neighboring networks to increase efficiency.



MU-MIMO
Connect more devices simultaneously.



OFDMA
Delivers greater network capacity and efficiency.



Quality of Service (QoS)
Delivers greater network capacity and efficiency.

// Specifications

Wireless

Wireless Standards

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

Signal Rate[†]

2402 Mbps at 5 GHz;

574 Mbps at 2.4 GHz

Mesh Protocol

802.11k/v/r

EIRP

5G band1 band2<23dBm

5G band3<30dBm

2.4G band<20dBm

Hardware

Ports

1x 2.5 Gbps Port + 2x 1 Gbps Ports

Button

Reset button

Dimensions (W x D x H)

100 x 100 x 167.65 mm (3.9 x 3.9 x 6.6 inches)

Software

Working Mode

Router, Access Point

VPN Support

OpenVPN/PPTP/L2TP/WireGuard VPN Server and Client

DHCP

Server, Client

Quality of Service

WMM

Firewall Security

SPI Firewall

Protocols

Supports IPv4 and IPv6

Guest Network

2.4 GHz Guest Network x 1

5 GHz Guest Network x 1

Features

Parental Controls, QoS (Quality of Service), Reporting, Assisted Setup, Address Reservation, Port Forwarding, Mercusys DDNS, VLAN, IPv6, LED Control

Management

Local Management, Remote Management, Multi-Managers

Wireless Security

WPA-PSK/WPA2-PSK/WPA3***

// Specifications

Others

Environment

Operating Temperature: 0°C~40°C (32°F~104°F)

Operating Humidity: 10%~90% Non-Condensing

Storage Humidity: 5%~90% Non-Condensing

Package Contents for Halo E85X (2-pack):

2× Halo E85X Units

1× RJ45 Ethernet Cable

2× Power Adapters

Quick Installation Guide

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†Seamless roaming requires clients to support 802.11k/v/r and may require additional setup. Performance may vary depending on the client device.

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

△Use of Wi-Fi 6 and other features including OFDMA, MU-MIMO, 1024-QAM, HE160, and BSS Color requires clients to also support the corresponding features. The 160 MHz bandwidth may be unavailable in the 5 GHz band in some regions/countries due to regulatory restrictions. This product may not support all the mandatory features of IEEE 802.11AX specifications. Further software upgrades for feature availability may be required.

§2.5 Gbps and 1 Gbps internet speeds require compatible service plans and equipment.

*Please note that the Halo E & Halo H series cannot work together with Halo S series. Halo E85X is compatible with other units from the Halo E & Halo H series to form a Mesh network.

**All WAN/LAN ports will operate as either WAN or LAN ports. Only one port can serve as a WAN port at a time.

***Use of WPA3 requires clients to also support WPA3.