AX3000 Whole Home Mesh Wi-Fi System

Model: Halo H80X

// Highlights

- 3000 Mbps Dual Band Wi-Fi

- Seamless Roaming with One Wi-Fi Name

- Connect over 150 Devices

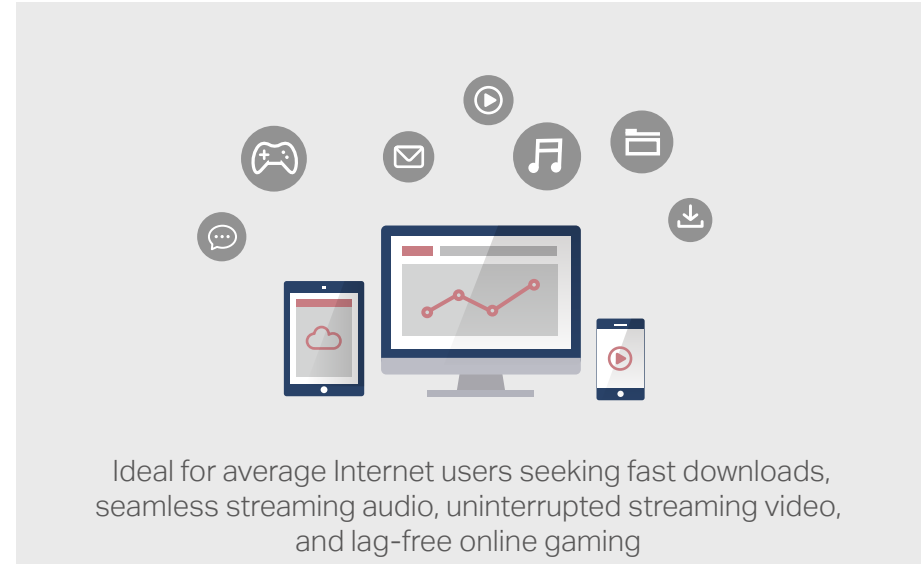- Easy App Control

- Expand Coverage with Halo H Models

Download on the **App Store**

GET IT ON **Google Play**

Wi-Fi 6

Seamless Coverage up to

5000ft² | **460**m²

TR-069

// 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

Fast Wi-Fi 6 for an Upgraded Network Experience

Armed with Wi-Fi 6, Halo H80X 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.

OFDMA
Delivers greater network capacity and efficiency.

160 MHz Channels
Double channel width for faster connections.

MU-MIMO
Connect more devices simultaneously.

BSS Color
Marks frames from neighboring networks to increase efficiency.

▍A Whole Home Wi-Fi Solution

Halo works as a unified system to guarantee a strong Wi-Fi signal in every corner of your home. Mercusys Mesh Technology provides an incredibly fast and stable user experience when you walk around your home. Interruption and buffering will be a thing of the past.
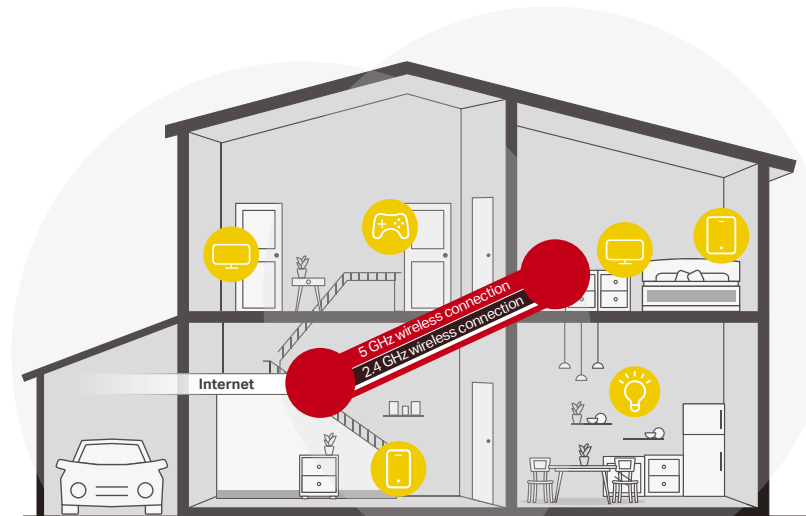
Whole Home Coverage
Eliminate weak signal areas with clearer, stronger whole home Wi-Fi.

Seamless Roaming
Choose the best signal and enjoy the best connections.

One Unified Network
Run a single home network with one Wi-Fi name and password.

Connects over 150 Devices
Halo keeps your phones, computers, and all IoT devices connected simultaneously.

Quality of Service (QoS)
Prioritize select devices to perform better.

Parental Controls
Set access control and time limits to better manage your family's online habits.

// Specifications

Hardware

Ports

3× Gigabit Ports per Halo Unit
(WAN/LAN auto-sensing)

Button

Reset button

Dimensions (W x D x H)

5×3.2×3.3 in (128×81×83.7 mm)

Wireless

Wireless Standards

IEEE 802.11 a/n/ac/ax 5 GHz, IEEE 802.11 b/g/n/ax 2.4 GHz

Signal Rate

2402 Mbps on 5 GHz, 574 Mbps on 2.4 GHz

Mesh protocol

802.11k/v/r

EIRP

2.4 GHz < 20dBm (EIRP)

5 GHz < 23dBm (EIRP)

Reception Sensitivity

2.4GHz:

11g 6Mbps:-96.5dBm

11g 54Mbps:-78dBm

11AX HE20 MCS0:-96.5dBm

11AX HE20 MCS11:-65dBm

11AX HE40 MCS0:-93.5dBm

11AX HE40 MCS11:-63dBm

5GHz:

11a 6Mbps:-96dBm

11a 54Mbps:-78dBm

11ac VHT20 MCS8:-74.5dBm

11ac VHT40 MCS9:-70.5dBm

11ac VHT80 MCS9:-66.5dBm

11AX HE20 MCS11:-66dBm

11AX HE40 MCS11:-63dBm

11AX HE80 MCS11:-61dBm

Software

Working Mode

Router, Access Point

WAN Type

Dynamic IP/Static IP/PPPoE/L2TP/PPTP

DHCP

Server, Client

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),
Monthly Report 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℃~40℃ (32°F~104°F)

Operating Humidity: 10%~90% Non-Condensing

Storage Humidity: 5%~90% Non-Condensing

Package Contents for Halo H80X (3-pack):

2× Halo H80X Units

1× RJ45 Ethernet Cable

2× Power Adapters

1× Quick Installation Guide