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, e ȝ ciency, and capacity.

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

OFDMA
Delivers greater network capacity and e ȝ ciency.

160 MHz Channels
Double channel width for faster connections.

MU-MIMO
Connect more devices simultaneously.

BSS Color
Marks frames from neighboring networks to increase e ȝ ciency.

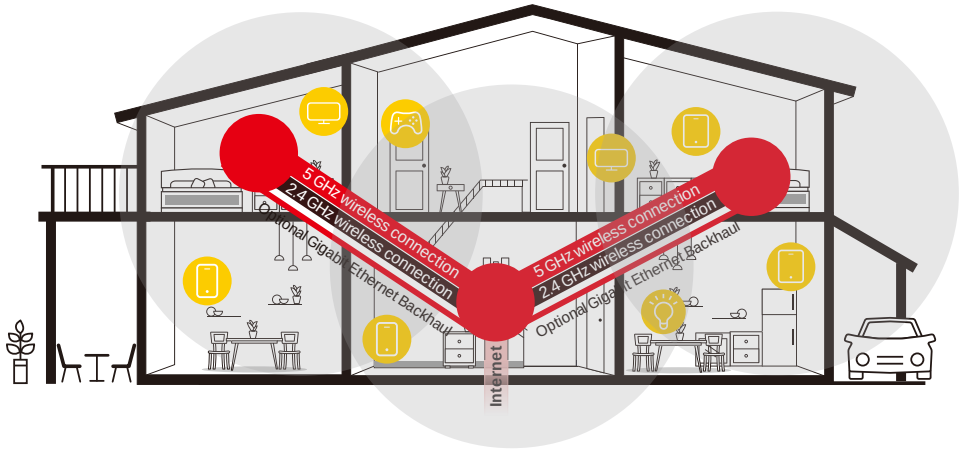
A Whole Home Wi-Fi Solution

Halo works as a uniQed 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 buQering 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 UniQed 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

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

Button

Reset button

Dimensions (W x D x H)

5ò3.2ò3.3 in (128ò81ò83.7 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

// SpeciQcations

Others

Environment

Operating Temperature: 0ËC~40ËC (32ËF~104ËF)

Operating Humidity: 10%~90% Non-Condensing

Storage Humidity: 5%~90% Non-Condensing

Package Contents for Halo H80X (3-pack):

3× Halo H80X Units

1ò RJ45 Ethernet Cable

3× Power Adapters

1ò Quick Installation Guide

*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 speciQcations. 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 traȝc, and client location.
*Use of Wi-Fi 6 and other features including OFDMA, MU-MIMO, 1024-QAM, HE160, BSS Color, TWT require 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 speciQcations. Further software upgrades for feature availability may be required.
*Use of WPA3 requires clients to also support WPA3.
*Please note that the Halo H series and S series cannot work together. Halo H80X is compatible with other units from the Halo H series to form a Mesh network.
*All WAN/L AN ports will operate as either WAN or LAN ports. Only one port can serve as a WAN port at a time.
© 2022 MERCUSYS