AC1200 Whole Home Mesh Wi-Fi System

Model: Halo S12

Highlights

- One Unified Network – Run a single home network with one Wi-Fi name and password
- Seamless Roaming – Choose the best signal and enjoy the best connections for all your devices
- MU-MIMO Technology – Simultaneously transfers data to multiple devices for 2x faster performance

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

Speed

Wireless Speed – Wireless speed of up to 300 Mbps on 2.4 GHz, 867 Mbps on 5 GHz

Range

Internal omni-directional antennas provide great wireless coverage

Mesh Wi-Fi system extends Wi-Fi range to every corner of your home, covering up to 2,800 square feet.

Easy Setup

Quick Installation – Intuitive webpage supports quick, hassle free installation

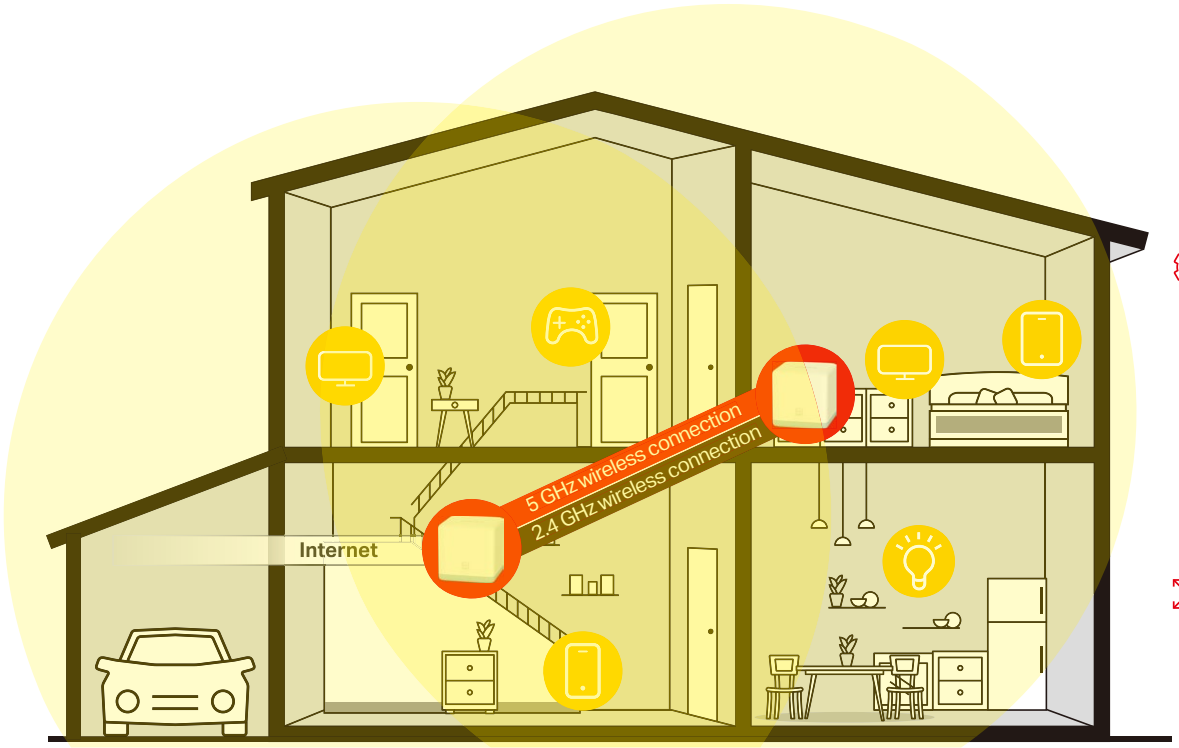
Security

Guest Network – Creates a separate network for your guests to ensure safety

Parental Controls – Parents can establish appropriate access policies for children devices

Mercusys Mesh Technology

Halo works as a unified system to guarantee a strong Wi-Fi signal in every corner of your home. It provides an incredibly fast and stable usage experience when you walk around your home. Interruption and buffering will be a thing of the past.



Seamless Roaming

Intelligently connects devices to the Halo with the strongest signal and highest capacity. No more sudden signal drops or lagging Wi-Fi when you're roaming at home.

Self-Healing

If one AP node drops in a multi-node mesh network, the system will reconfigure automatically based on the other nodes. Data connectivity is always maintained and there is no interruption experience at all.

Work with All Halo Devices

Halo S12 is compatible with every other Halo model to form a Mesh network. Expand Wi-Fi coverage anytime by simply adding more Halos.

Specifications

Physical Specifications

Ports
2 10/100 Mbps ports per Halo unit (WAN/LAN auto-sensing)

Button
Pair button, Reset button

External Power Supply
9V/0.85A

Dimensions (W x D x H)
3.5 × 3.5 × 3.5 in (88 × 88 × 88 mm)

Package Contents(2-pack)
- 2× Halo S12 Units
- 1× RJ45 Ethernet Cable
- 2× Power Adapters
- 1× Quick Installation Guide

Package Contents(3-pack)
- 3× Halo S12 Units
- 1× RJ45 Ethernet Cable
- 3× Power Adapters
- 1× Quick Installation Guide

Wireless Specifications

Wireless Standards
IEEE 802.11 a/b/g/n/ac

Frequency
2.4 GHz, 5GHz

Mesh protocol
802.11k/v

Signal Rate
300 Mbps on 2.4 GHz, 867 Mbps on 5 GHz

Transmit Power
2.4 GHz: <20dBm(EIRP)
5 GHz: <23dBm(EIRP)

Reception Sensitivity
- 11g 6M: -95dBm
- 11g 54M: -77dBm
- 11n 20M MCS7: -75dBm
- 11n 40M MCS7: -72dBm

Wireless Function
Enable/Disable Wireless Radio, Wireless Statistics

Wireless Security
WPA2-PSK + AES

Operation Specifications

WAN Type
Dynamic IP/Static IP/PPPoE/PPTP/L2TP

DHCP
Server, Address Reservation, DHCP Client List

Port Forwarding
Virtual Server, UPnP, DMZ, Port Triggering

Management
Access Control
Local Management
Remote Management

Protocols
IPv4, IPv6

Guest Network
2.4 GHz Guest Network
5 GHz Guest Network

Environment
- Operating Temperature: 0°C~40°C (32°F~104°F)
- Storage Temperature: -40°C~70°C (-40°F~158°F)
- Operating Humidity: 10%~90% Non-Condensing
- Storage Humidity: 5%~90% Non-Condensing

* Use of MU-MIMO requires clients to also support MU-MIMO.
* Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects, and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead, and 3) client limitations, including rated performance, location, connection, quality, and client condition.