![TP-Link | Service Provider logo]

AC1200 Whole Home Mesh Wi-Fi AP

Fast, Elegant, Powerful

HC220-G5

- ❯ 300 Mbps + 867 Mbps Dual Band Wi-Fi
- ❯ Two Modes in One
- ❯ Full Gigabit Ports
- ❯ EasyMesh

Highlights

Seamless Roaming with One Wi-Fi Name

Provided with super coverage via 2-pack or more mesh APs, you can enjoy seamless Wi-Fi in every room. Client Steering & Band Steering intelligently connect devices to the mesh AP with the strongest signal – no more sudden dropout when moving devices to different rooms. A unified wireless network (SSID) is used throughout the whole home.
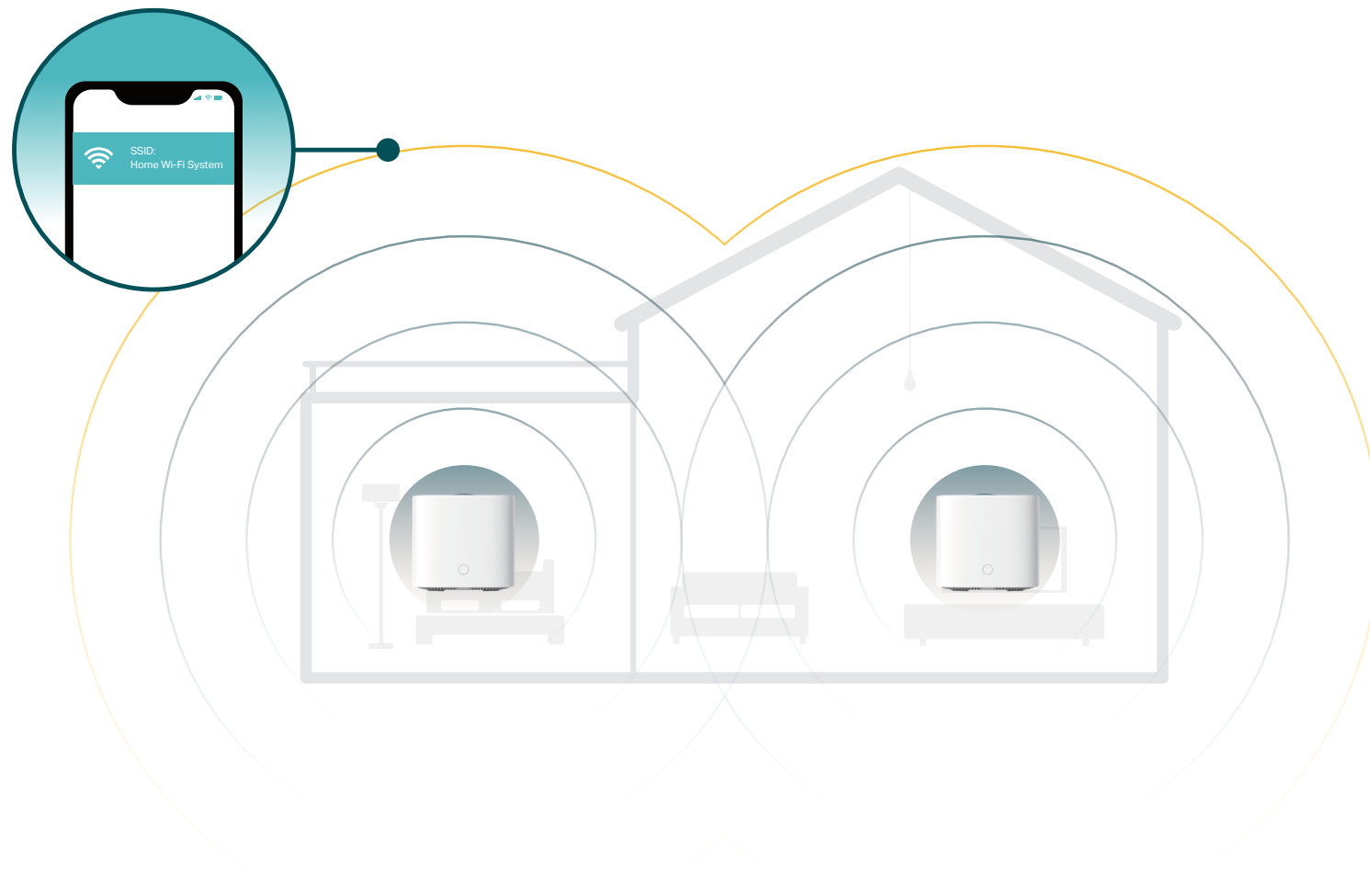
Wireless, Hassle-free Installation

Each mesh AP is peer to peer, so after complete the installation of the Main AP, by just pressing the WPS buttons on Main AP and add-on mesh AP, the add-on mesh AP will sync automatically with the Main AP to expand your network.
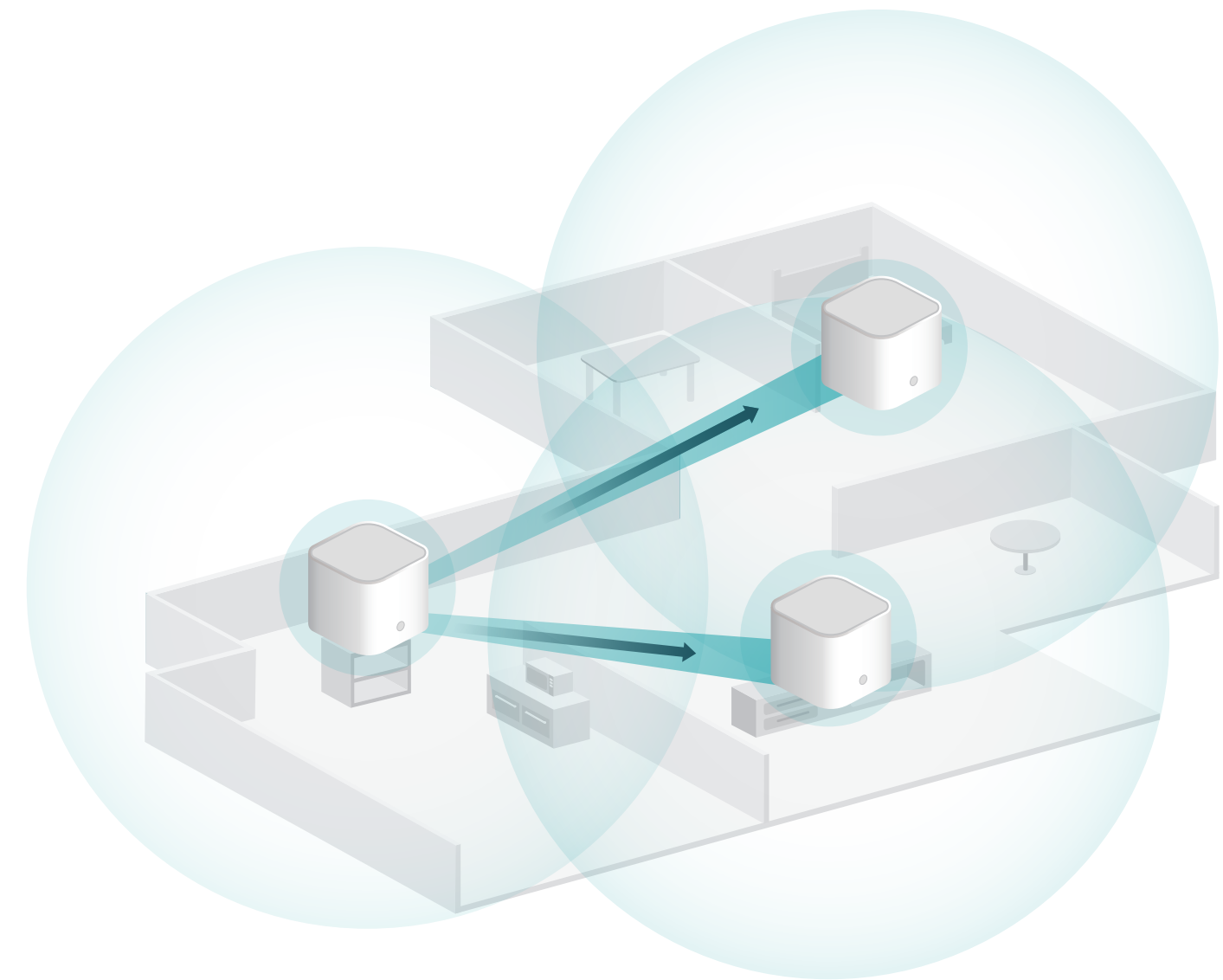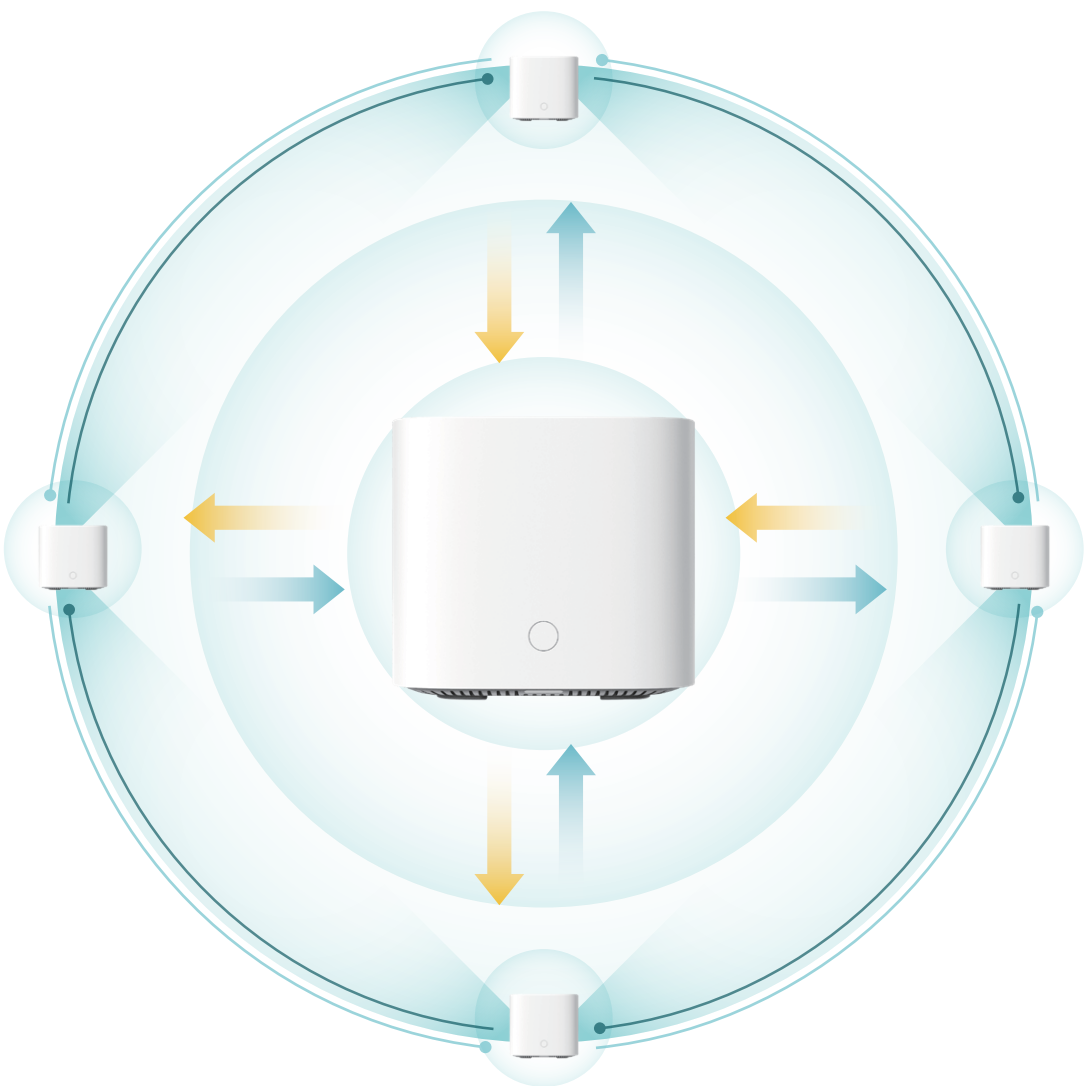
Highlights

Robust Smart Wi-Fi Connection

In TP-Link mesh Wi-Fi system, if a link is not usable for any reason, network resources could still be available via a second link as a fail-safe.
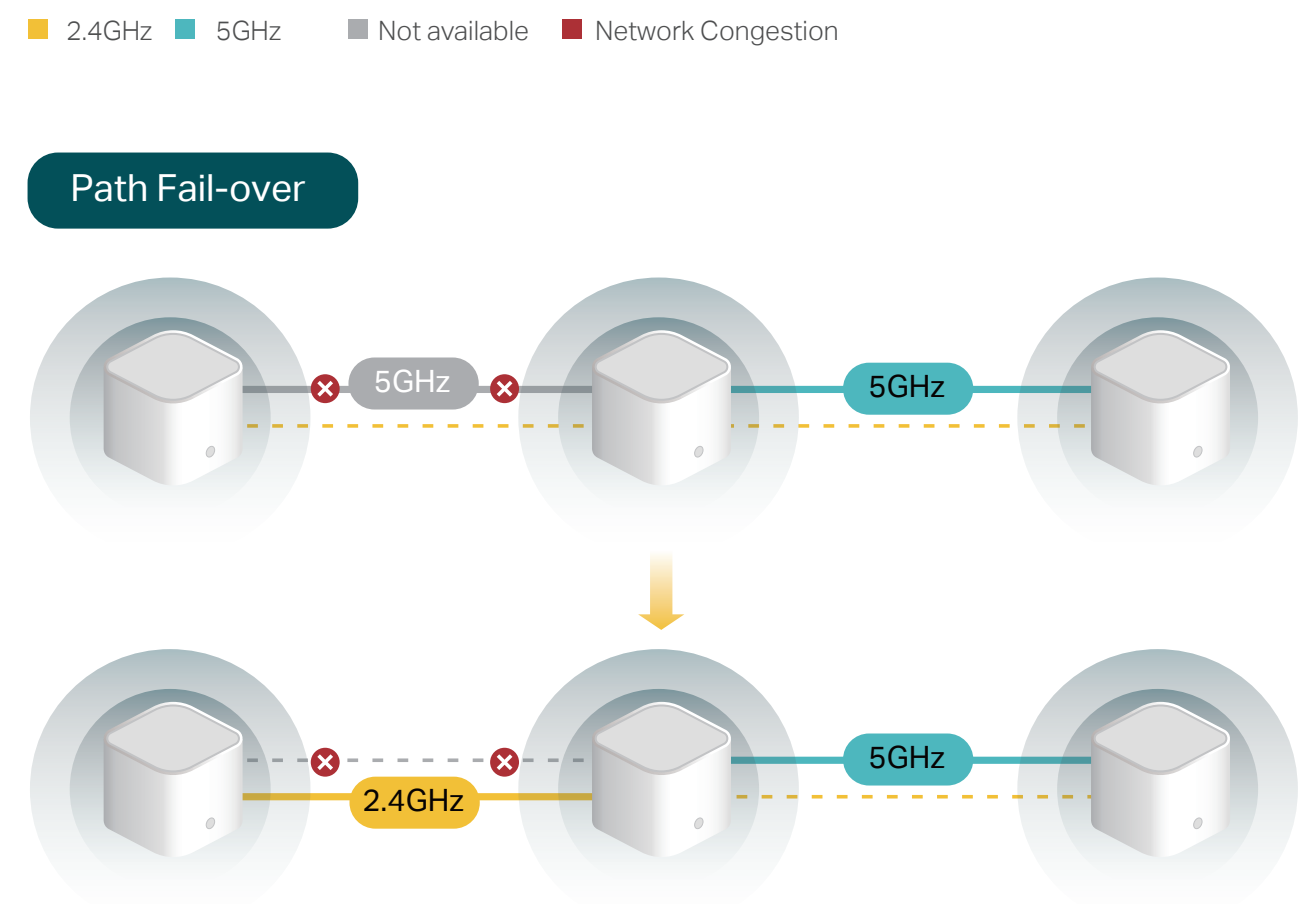
## Cater for Standardized Mesh Technology

EasyMesh is a standard mesh technology developed by Wi-Fi Alliance. HC220-G5 adopts EasyMesh technology, which has further improved and standardized Wi-Fi functions, such as Wi-Fi diagnostics, channel selection and traffic separation.

Highlights

TR-069 Remote Management

Complied with TR-069 standard, service providers can manage devices remotely without any user interaction. Deployment is simplified while operating and maintenance costs are cut.
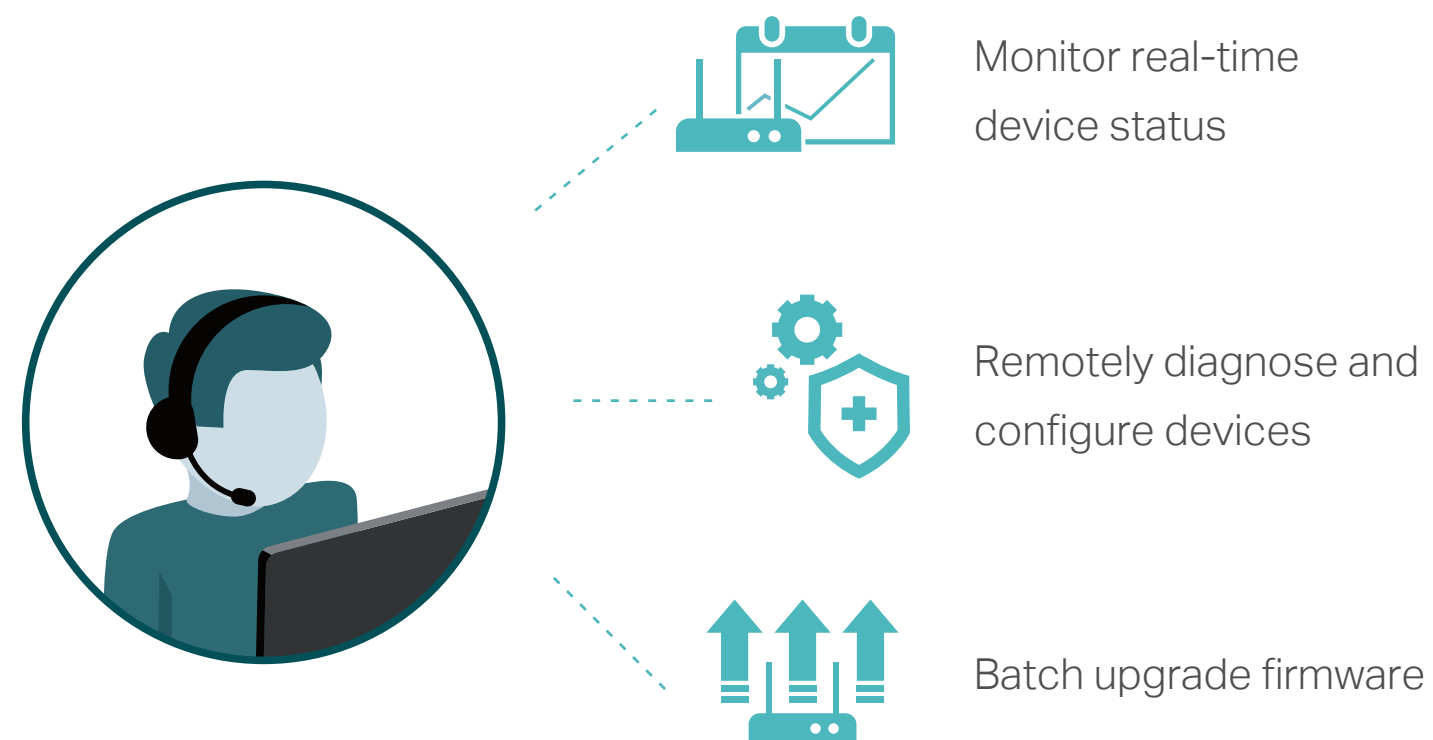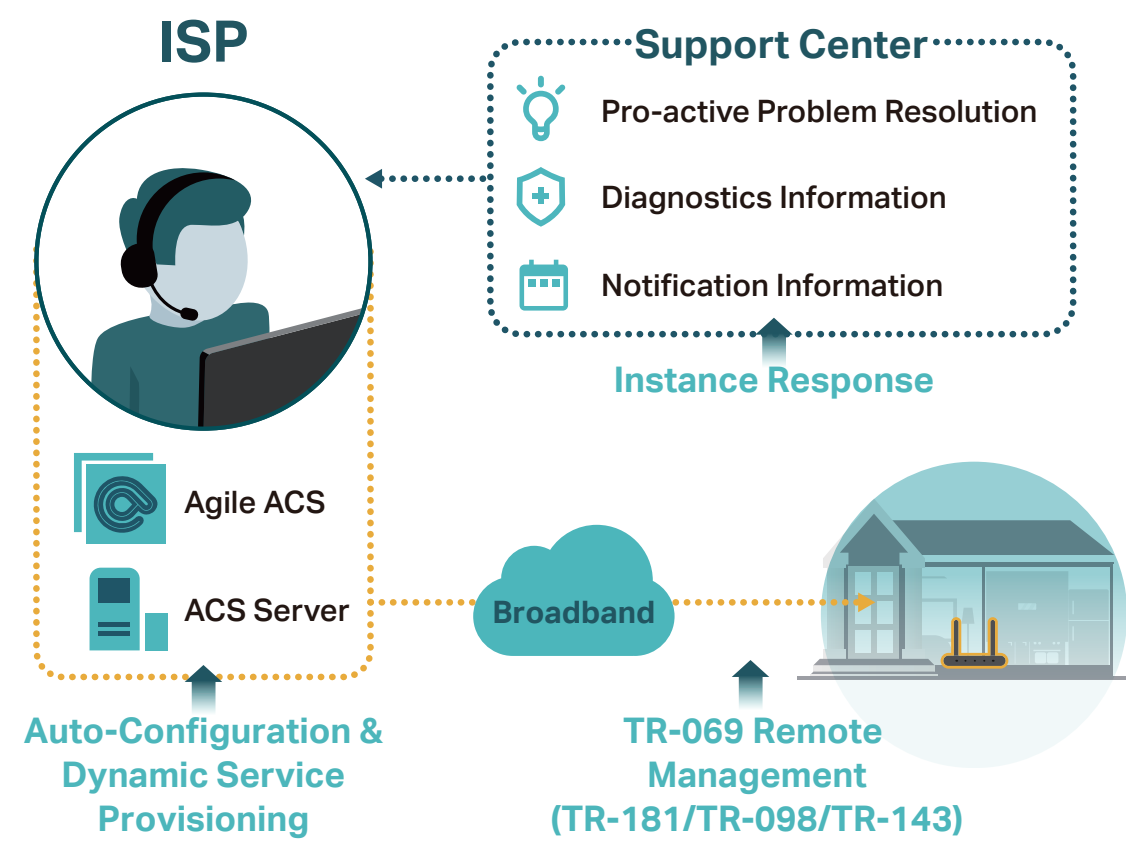
Support Agile Config

TP-Link provides ISPs with Agile Config Tools to customize the default settings of devices one at a time or in batches. The flexible settings include adding a logo, WAN connection type, SSID, password, time zone, language, and more.

Monitor real-time device status

Remotely diagnose and configure devices
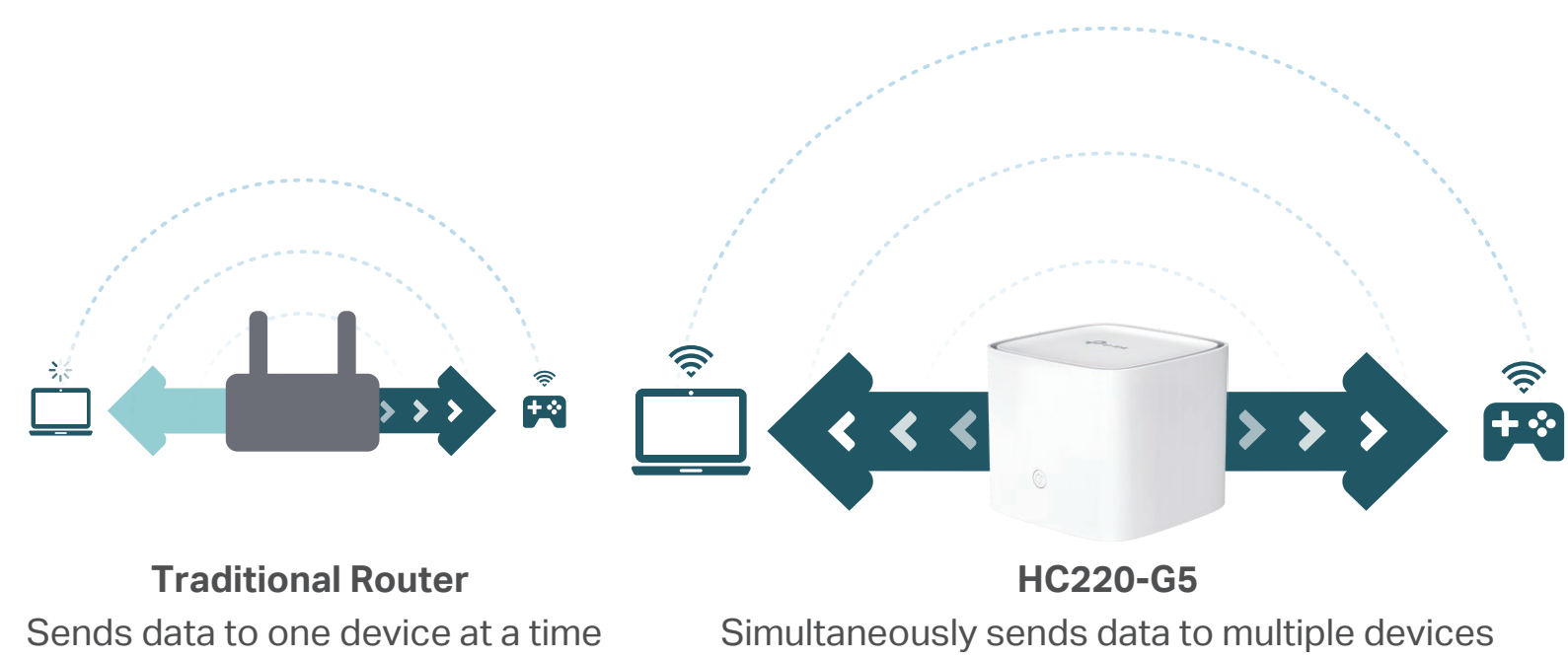
Batch upgrade firmware

Highlights

Support Agile ACS

Support TP-Link 's Agile ACS solution, helping ISPs to realize remote management, especially by its Auto-Configuration, Dynamic Service Provisioning and Auto firmware upgrade.

ISP

Support Center
- Pro-active Problem Resolution
- Diagnostics Information
- Notification Information

Instance Response

Agile ACS

ACS Server

Broadband

Auto-Configuration & Dynamic Service Provisioning

TR-069 Remote Management (TR-181/TR-098/TR-143)

## MU-MIMO: Efficient Wi-Fi for Every Device

MU-MIMO technology serves multiple devices at once. No more bandwidth congestion or latency. All devices get their data faster and Wi-Fi is used more efficiently.
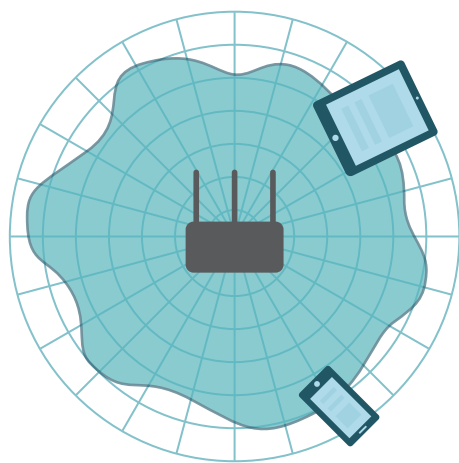
Traditional Router
Sends data to one device at a time

HC220-G5
Simultaneously sends data to multiple devices

Highlights

Beamforming for Corverage

Beamforming technology detects the location of your connected devices and concentrates the HC220-G5's Wi-Fi towards them to create stronger overall connections.
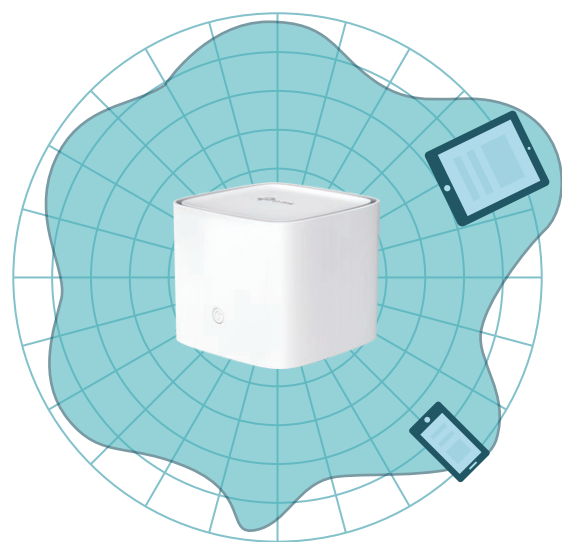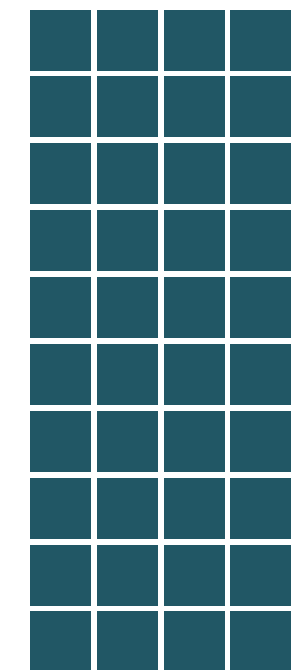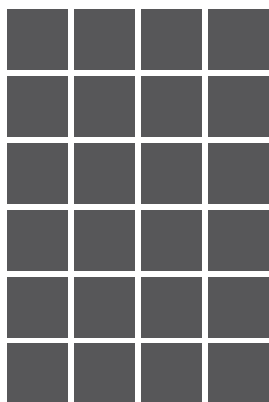

HC220-G5

Regular Router

Airtime Fairness

With Airtime Fairness, the HC220-G5 equally divides attention between newer and older devices improving overall Wi-Fi performance and reliability without letting older devices limit your network.
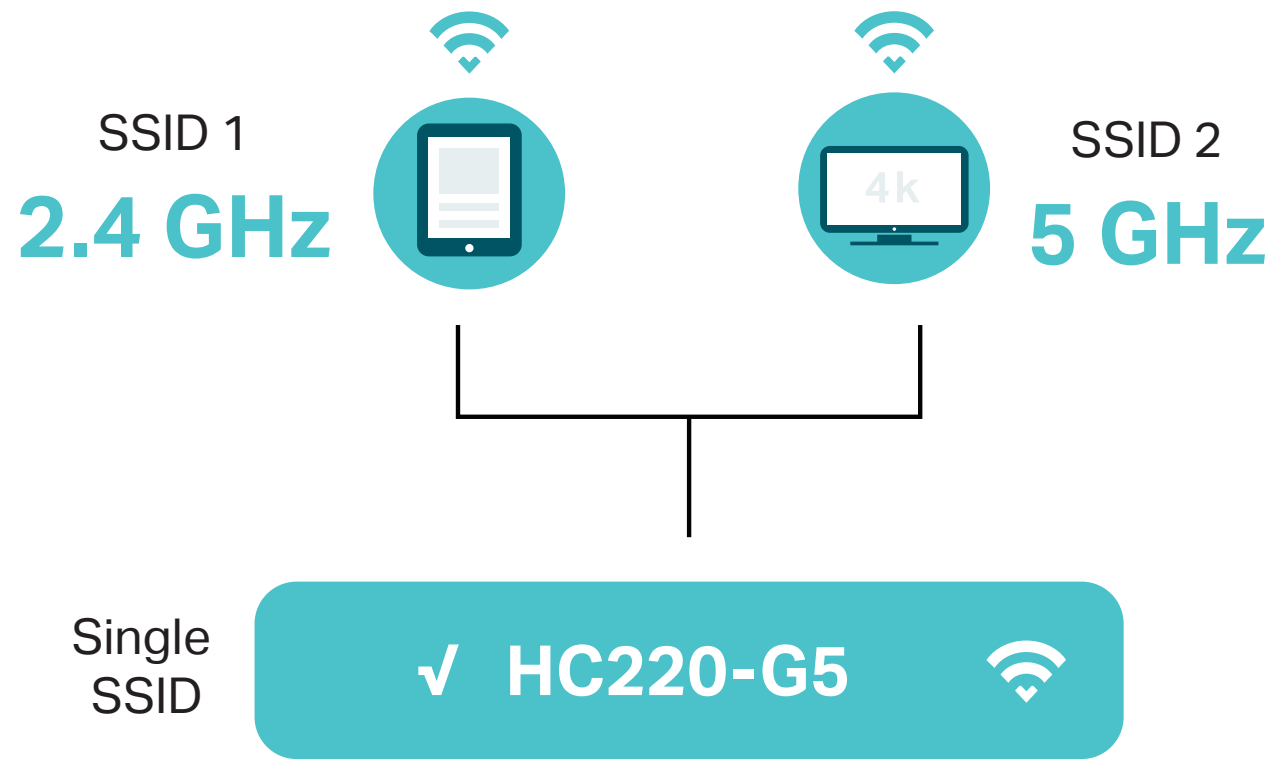

**With
Airtime Fairness**

**Without
Airtime Fairness**

Data Package

Band Steering

HC220-G5 automatically assigns your devices to the best available band according to the Wi-Fi environment, balancing the network load to give each device its optimum connection.

SSID 1
2.4 GHz

SSID 2
5 GHz

Single
SSID

√ **HC220-G5**

Gigabit Internet Access

Take full advantage of your broadband with speed up to 1 Gbps with a Gigabit WAN/LAN port. Plug your PCs and smart TVs into one of the Two Gigabit LAN ports for fast and reliable wired connections.

POWER   WAN/LAN   LAN1   LAN2   RESET

Gigabit Ports
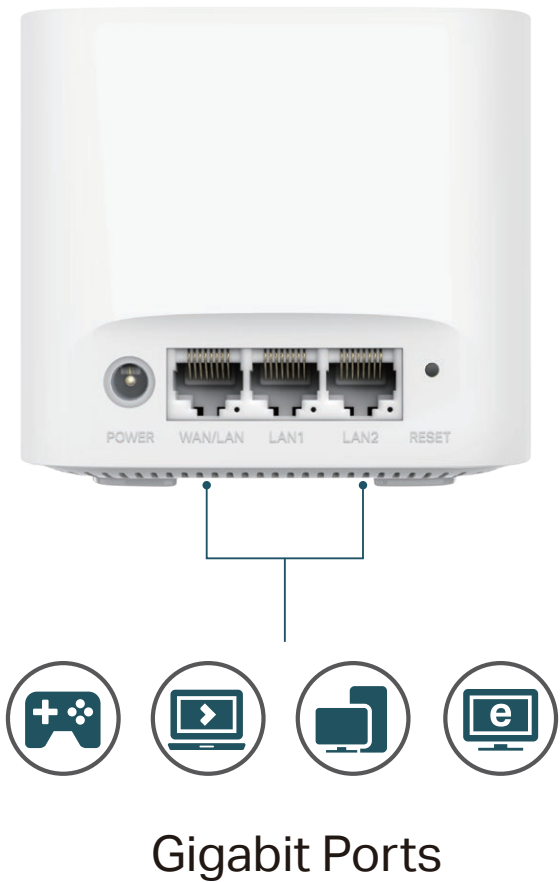
Features

Speed

· **Ultimate Wireless Speed** – Combined wireless speeds of up to 300 Mbps (over 2.4 GHz) and 867 Mbps (over 5 GHz)
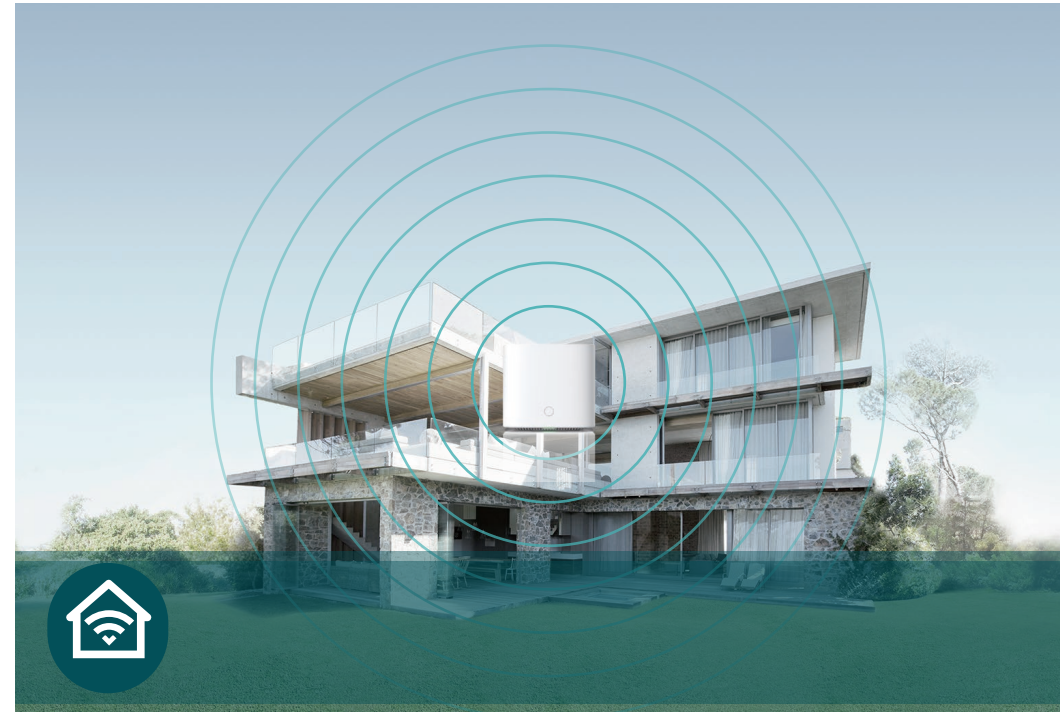
· **MU-MIMO Technology** – Simultaneously exchange data with several devices, achieving speeds which are faster than standard AC routers

· **802.11 ac** – Provides a data transfer rate 3 times faster than 802.11n for each stream

Wi-Fi Range

· **Optimal Range Wi-Fi** – High-performance internal antennas ensure widespread Wi-Fi coverage and a stable connection

· **Wi-Fi with Beamforming** – Beamforming technology locates the connected devices and further improves the signal strength toward these devices, delivering a more reliable and efficient wireless connection

Reliability

· **Simultaneous Dual Band** – Separate Wi-Fi bands enable more devices to connect to your network without a drop in performance

· **Path Fail-over** – Network resources could still be available via a second link as a fail-safe when a backhaul link is not usable for any reason

· **Airtime Fairness** – Balances bandwidth to improve throughput and reliability for all connected devices

Features

Ease of Use

· Fast Connection – Connect wireless devices securely with the press of WPS button

· Online Upgrade – Support firmware upgrade on the Web UI locally and online upgrade remotely.

Security

· Multi-SSID – Keep your main network secure by creating a separate network for friends and visitors

· Encryptions for Secure Network – WPA-PSK, WPA2-PSK, WPA PSK/WPA2 PSK, WPA3 encryptions provide active protection against security threats

· Parental Control – Manage when and how connected devices can access the internet

· VPN Server – Open VPN, PPTP VPN and IPSec VPN are supported, making it easy to set up a secure connection between your private network and the internet

Easy Management

· Intuitive Web UI – Ensures quick and simple installation

· Remote Management – Complied with TR-069 standard, which can manage devices remotely without any user interaction

Specifications

Hardware

- Interface: 2*10/100/1000Mbps LAN Ports, 1*10/100/1000Mbps WAN/LAN Port
- Buttons: WPS Button, Reset Button
- CPU: Dual-Core, 880MHz
- External Power Supply: 12VDC/1.0A
- Antenna Type: Internal antennas
- Dimensions (W x D x H): 3.9 x 3.9 x 3.3 in (100 x 100 x 85 mm)

Wireless

- Wireless Standards: IEEE 802.11ac/n/a 5GHz, IEEE 802.11b/g/n 2.4GHz
- Frequency: 2.4GHz and 5GHz
- Signal Rate: 5 GHz: Up to 867 Mbps, 2.4 GHz: Up to 300 Mbps
- Transmit Power: FCC: <30 dBm, CE: <20 dBm (2.4 GHz), <23 dBm (5 GHz)
- Wireless Function: MU-MIMO, Beamforming, Band Steering, Airtime Fairness
- Wireless Security: WPA-PSK, WPA2-PSK, WPA PSK/WPA2 PSK, 802.1x(WPA2 Enterprise) , WPA3

Power

WAN/LAN LAN RESET

WPS

Specifications

Software

- Protocols: Support IPv4 and IPv6
- Management: Local Management, Remote Management, TR-069(TR-098/TR-181), TR-111, TR-143, Aginet APP
- Multi-SSID: Up to 4 SSIDs for each band
- DHCP: Server, Client
- Firewall Security: SPI Firewall
- WAN Connection Type: Dynamic IP/Static IP/PPPoE
- Working Mode: Router, Access Point
- Mesh: EasyMesh, IEEE 802.11k/v/r, Ethernet Backhaul, Seamless Roaming
- Support IPTV, IGMPV2/3 and IGMP Snooping
- Quality of Service: WMM
- Parental Controls
- LED Schedule
- Wi-Fi Schedule

Others

- Certification: CE, FCC
- System Requirements:

  Internet Explorer 11+, Firefox 12.0+, Chrome 20.0+, Safari 4.0+, or other JavaScript-enabled browser

  Cable or DSL Modem (if needed)

  Subscription with an internet service provider (for internet access)
- Environment:

  Operating Temperature: 0℃~40℃ (32°F~104°F), Storage Temperature: -40℃~60℃ (-40℉ ~140℉)

  Operating Humidity: 10%~90% non-condensing, Storage Humidity: 5%~90% non-condensing
- Package Contents:

  AC1200 Whole Home Mesh Wi-Fi AP

  Power Adapter

  RJ45 Ethernet Cable

  Quick Installation Guide