



AC1900 Wi-Fi Router

Dual Band | MU-MIMO



Archer C80



1300 Mbps 5 GHz +
600 Mbps 2.4 GHz[†]



4 Antennas for
Superior Coverage[†]



Faster Wi-Fi
with MU-MIMO



Smart Connect

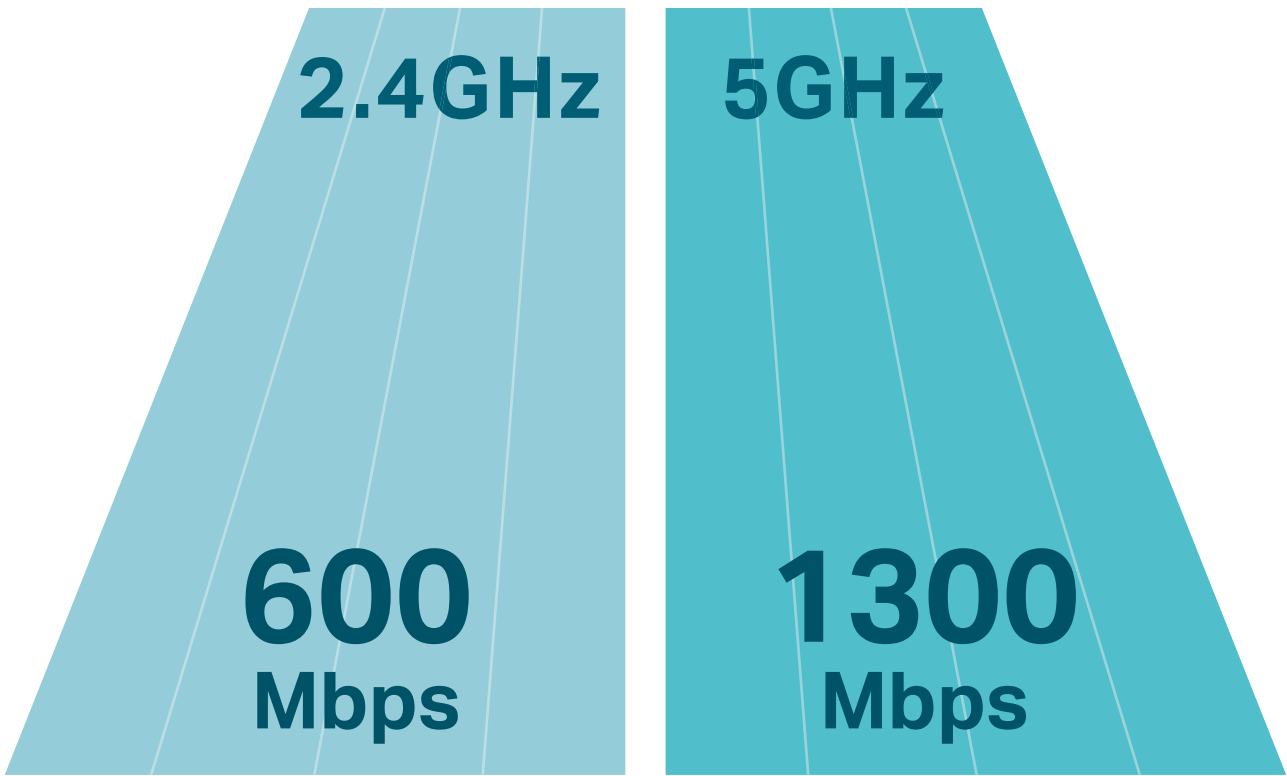


Full Gigabit
Ports

Highlights

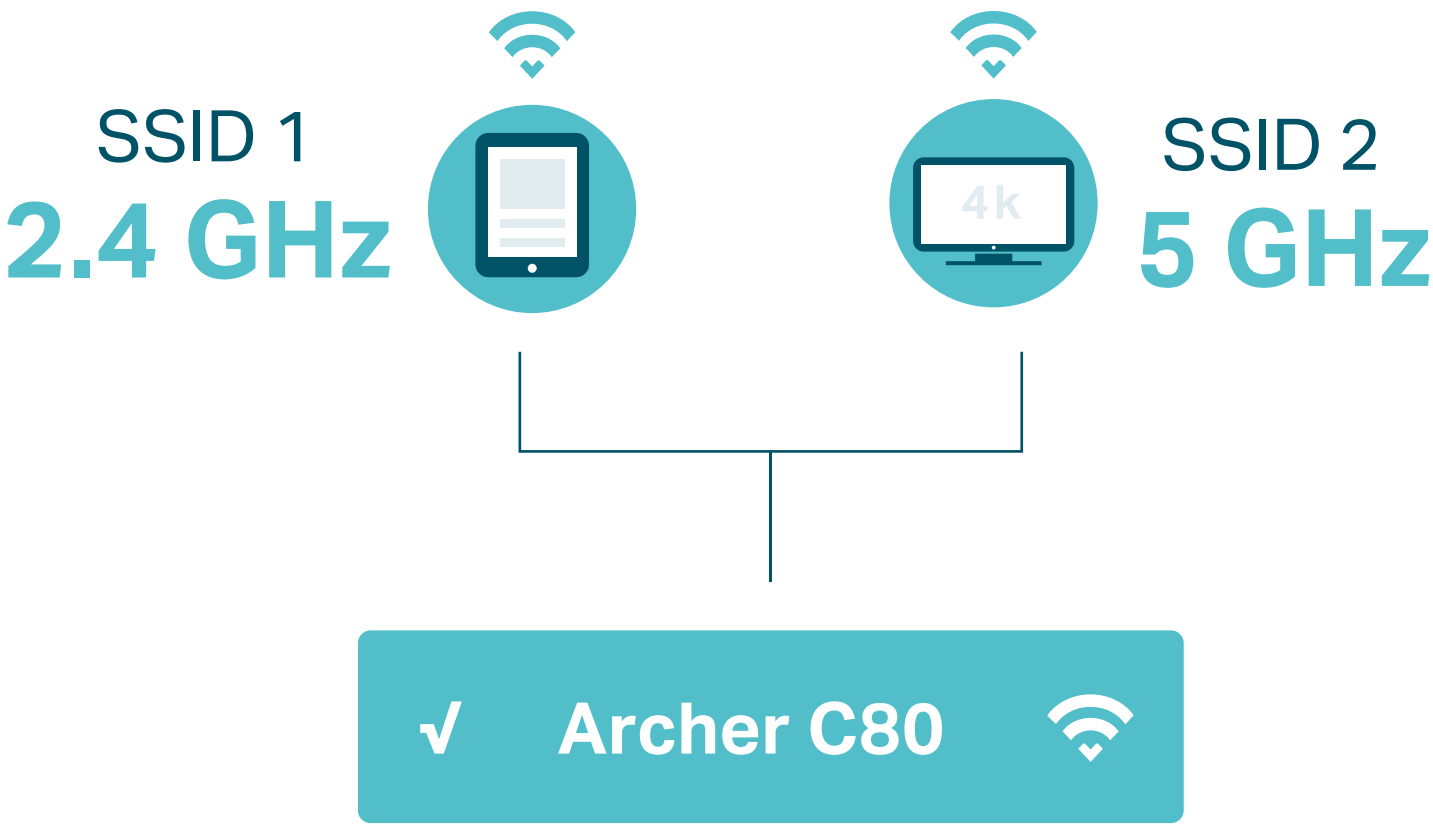
Speeds up to 1900 Mbps

1300 Mbps on the 5 GHz band and 600 Mbps on the 2.4 GHz are ideal for both everyday tasks and lag-free online entertainment. †



Smart Connect

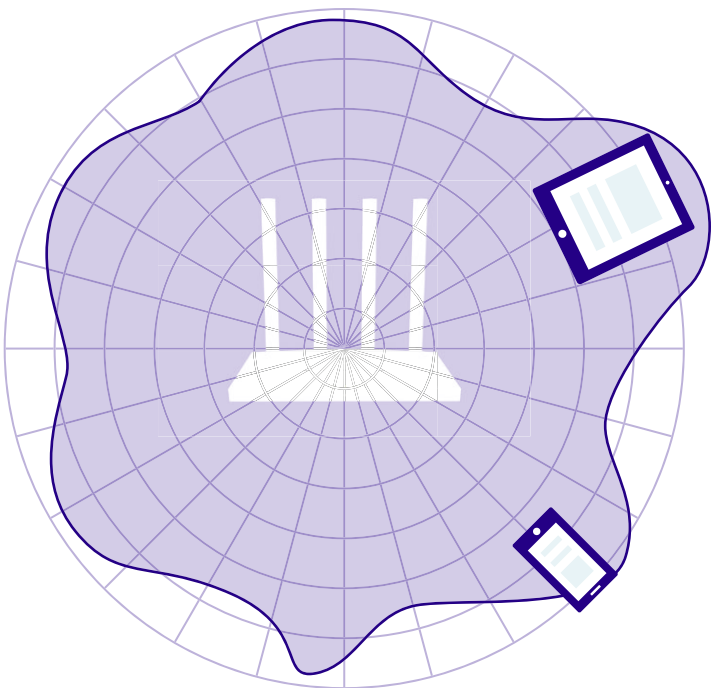
Smart Connect unites 2.4 GHz and 5 GHz band into a single Wi-Fi SSID and helps the router automatically switch each device's connection to the best available Wi-Fi band.



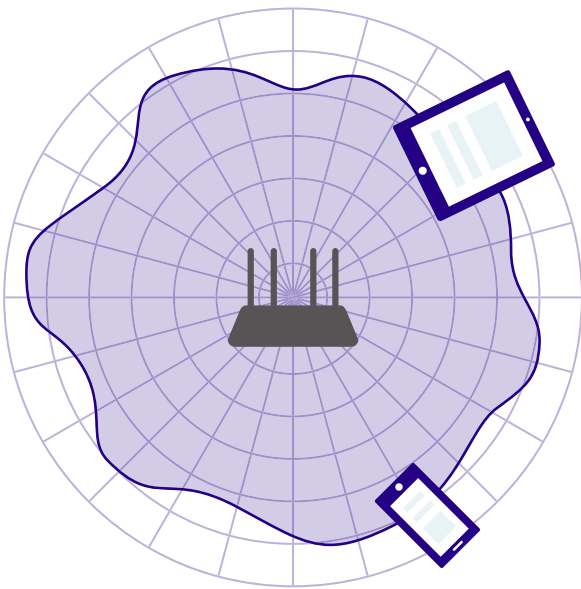
Highlights

Vast Wi-Fi Coverage

Four external omni-directional antennas create strong, clear, dependable Wi-Fi throughout your home. Beamforming detects the location of your connected devices and concentrates the Archer C80's signal towards them to optimize wireless connections.[†]



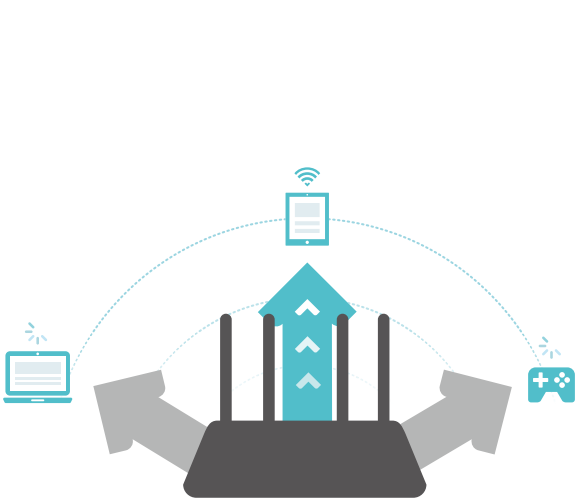
Archer C80



Regular Router

MU-MIMO

MU-MIMO technology serves multiple devices at once, reducing wait time, increasing Wi-Fi throughput for every device, and making each stream more efficient.[‡]



Traditional Router



MU-MIMO Router

Highlights

Airtime Fairness

Equally divides network time between new devices, such as your gaming rig and older devices to improve your overall Wi-Fi performance and reliability.



Easy Setup and Use

Installation is simple, thanks to an intuitive web interface and the powerful TP-Link app, Tether. Tether lets you manage your network settings with your smartphone.



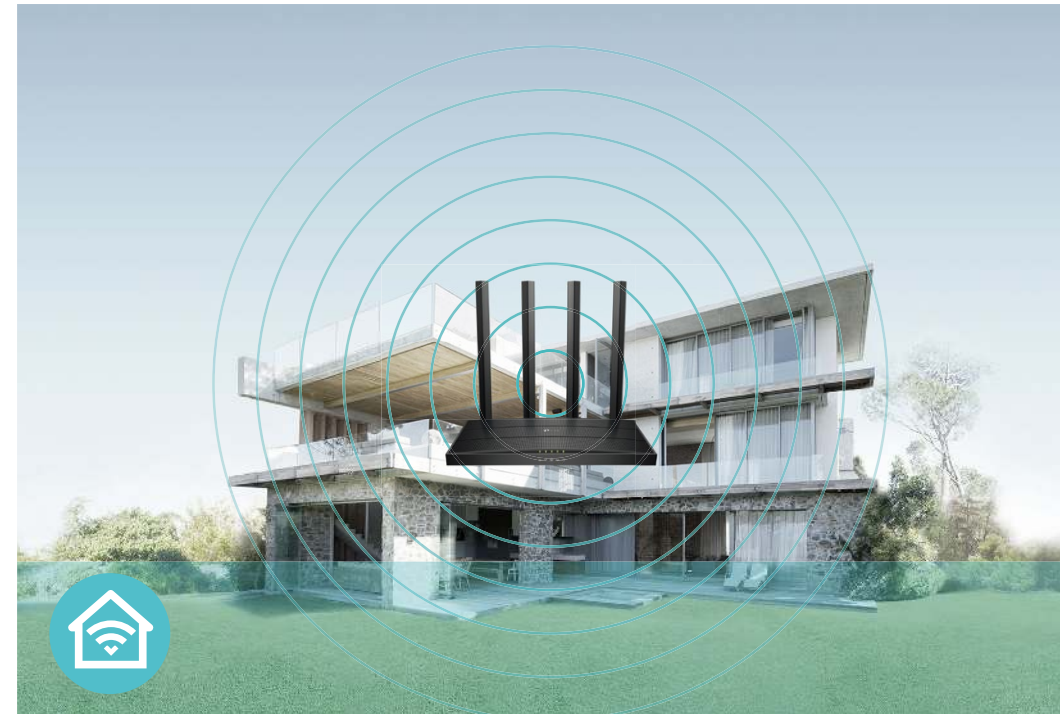
Scan the QR code to download TP-Link Tether.

Features



Speed

- **802.11ac Technology** – Powered by 802.11ac Wi-Fi technology, Archer C80 creates a reliable, blazing-fast network.
- **Ultimate Wireless Speed** – 1300 Mbps on 5 GHz + 600 Mbps on 2.4 GHz
- **Gigabit Internet Access** – Take full advantages of broadband speeds up to 1 Gbps



Wi-Fi Range

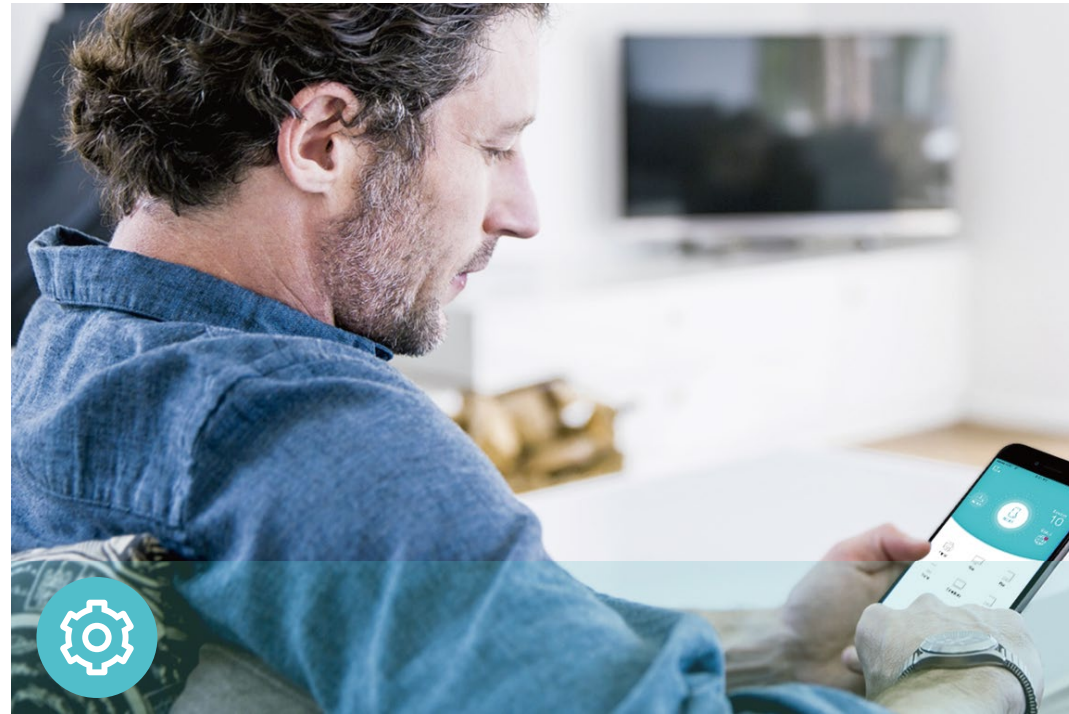
- **Ultimate Range Wi-Fi** – Four external antennas deliver a Wi-Fi signal to every corner of your home, making all of your connections more efficient and stable
- **Beamforming Technology** – Concentrates Wi-Fi signals towards individual devices to ensure stronger connections



Reliability

- **Airtime Fairness** – Balances airtime usage of connected devices to improve overall throughput and efficiency
- **Smart Connect** – Intelligently switches each device's connection to the optimum available Wi-Fi band
- **Vxworks System** – Utilizes the real-time Vxworks system, which has pre-assigned RAM strategy to provide more stable and high-responsive experience.

Features



Easy Management

- Intuitive Web UI – Ensures quick and simple Installation without hassle
- Hassle-free Management with Tether App – Network management is made easy with the TP-Link Tether App, available on any Android and iOS device
- TP-Link ID – Binds the router to your TP-Link ID and other family member's accounts to manage the router



Security

- Encryptions for Secure Network – WPA-PSK and WPA2-PSK encryptions provide active protection against security threats
- Guest Network – Keeps your main network secure by creating a separate network for friends and visitors
- Parental Controls – Restricts internet access time and contents for children devices



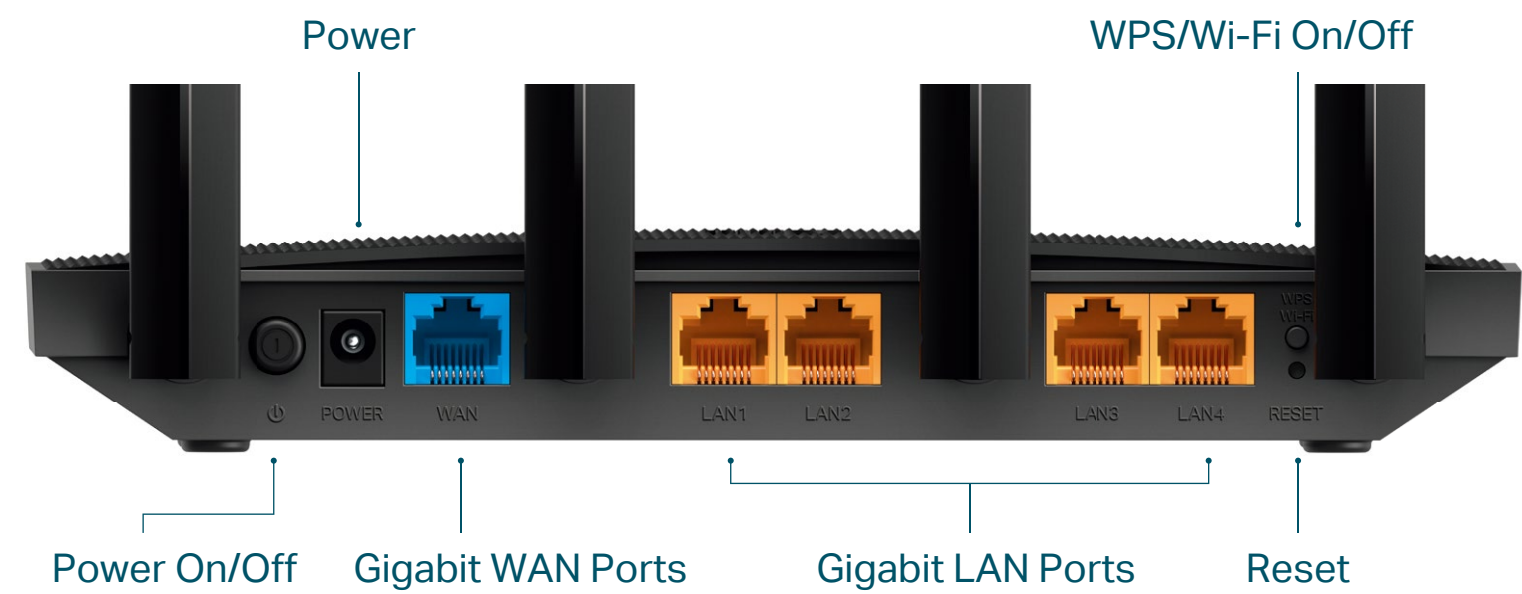
Ease of Use

- Wi-Fi Sharing – Easily shares your Wi-Fi access with a QR code
- Wi-Fi Schedule –The wireless network can be automatically off within a specified period when you do not need the wireless connection
- LED Control – Automatically turns your router's LEDs off within a specified period

Specifications

Hardware

- Ethernet Ports: 1× 10/100/1000 Mbps WAN Port, 4×10/100/1000 Mbps LAN Port
- Buttons: WPS/Wi-Fi Button, Power On/Off Button, Reset Button
- Antennas: 4 Fixed Omni Directional Antennas
- External Power Supply: US version 12V/1.5A
EU version 12V/1A
- Dimensions (W x D x H): 8.5 × 4.6 × 1.26 in (215 × 117 × 32mm)



Wireless

- Wireless: 1300 Mbps on 5 GHz + 600 Mbps on 2.4 GHz
- Frequency: 2.4 GHz and 5 GHz
- Transmit Power:
CE: <20dBm(2.4 GHz), <23dBm(5.15 GHz~5.25 GHz)
FCC:<30dBm(2.4 GHz & 5 GHz)
- Reception Sensitivity:
5 GHz:
11a 6Mbps:-98dBm, 11a 54Mbps:-78dBm
11ac VHT20_MCS0:-98dBm, 11ac VHT20_MCS8:-72dBm
11ac VHT40_MCS0:-92dBm, 11ac VHT40_MCS9:-68dBm
11ac VHT80_MCS0:-89dBm, 11ac VHT80_MCS9:-64dBm
2.4 GHz:
11g 6Mbps:-97dBm, 11a 54Mbps:-77dBm
11n VHT20_MCS0:-97dBm, 11n VHT20_MCS8:-72dBm
11n VHT40_MCS0:-92dBm, 11n VHT40_MCS9:-67dBm
- Wireless Function: Enable/Disable Wireless Radio, WMM
- Wireless Security: 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions

Specifications

Software

- Quality of Service: Device Prioritization
- WAN Type: Dynamic IP/Static IP/PPPoE(Dual Access)/PPTP(Dual Access)/L2TP(Dual Access)
- Management: Access Control, Local Management, Remote Management
- DHCP: Server, DHCP Client List, Address Reservation
- Port Forwarding: Port Forwarding, Port Triggering, UPnP, DMZ
- Dynamic DNS: DynDns, NO-IP, TP-Link
- Access Control: Parental Controls, Local Management Control, White List, Black List
- Firewall Security: SPI Firewall, IP and MAC Address Binding
- Protocols: IPv4, IPv6
- Guest Network: 2.4 GHz Guest Network, 5 GHz Guest Network

Others

- Certification:
CE, FCC, RoHS
- System Requirements:
Microsoft Windows 98SE/NT/2000/XP/Vista™/7/8/8.1/10, MAC OS, NetWare, UNIX or Linux

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

Cable or DSL Modem

Subscription with an internet service provider (for internet access)
- 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
- Package Contents
Wireless Router Archer C80

Power Adapter

RJ45 Ethernet Cable

Quick Installation Guide



For more information, please visit
https://www.tp-link.com/products/details/?model=Archer+C80_V1
or scan the QR code left

Attention: This device may only be used indoors in all EU member states and EFTA countries.
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†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 network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.
‡Use of MU-MIMO requires clients to also support MU-MIMO.