

# Wi-Fi Access Point

## Model CHR30A

The Wi-Fi Access Point allows you to take full advantage of Verizon's fastest Internet plans supporting Gigabit+ speeds with next generation Wi-Fi 7 technology. The Wi-Fi Access Point can be configured as a router or an extender, depending on home setup, and includes Tri-band Wi-Fi capability with 2.4, 5, and 6 GHz Wi-Fi bands. Additional supported interfaces include 2.5 and 10 gigabit Ethernet ports and a MoCA Expansion Module supporting 2.5Gbps (separate and included as needed for MoCA support). Enhanced software features support single Wi-Fi name & password with SON (self organizing network) functionality, automatic band steering, beamforming for improved signal quality between devices, and Guest Wi-Fi network support. For your protection, it is also equipped with WPA3 wireless security protocol.



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# Technical specifications

## Hardware configuration

- One 10 Gigabit LAN port
- Two 2.5 Gigabit LAN ports
- One 10 Gigabit WAN port
- Wi-Fi
  - One 2.4 GHz 11be 4x4
  - One 5 GHz 11be 4x4
  - One 6 GHz 11be 4x4
  - Internal antenna
- IoT: BLE5.0/Thread/Matter
- One SFP+ Expansion port
  - WAN: NG-PON2
  - LAN: MoCA 2.5
- One Type-C USB 3.0 (Power Only)
- Button
  - Reset (Back)
  - WPS (Back)
- LED indicators
  - One Status LED (Front)
  - Ethernet WAN/LAN (Back)
  - Expansion port (Back)
- Memory
  - 4GB DRAM
  - 32GB Flash
- PSU: 12V/5A
- ID Dimension: 5.1" × 5.1" × 8.6" (W\*D\*H)
- Weight : 3.20 lbs
- Environment:
  - Ambient Temperature: 5°C ~ 40°C
  - Relative Humidity: 5% ~ 85%

## Management features

- Remote management via TR-069, HTTPS
- Data model support via TR-181
- HTTP embedded web server
- Web UI management via local or remote site
- Username/Password protection
- UPnP
- Diagnostics

## Wi-Fi features

- One 2.4 GHz 11be with 4x4 spatial stream
- One 5 GHz 11be with 4x4 spatial stream
- One 6 GHz 11be with 4x4 spatial stream
- Wi-Fi 7 Certified (802.11be)
- Backward compatible to 802.11a/b/g/n/ac/ax
- 20 MHz, 40 MHz, 80 MHz, 160 MHz and 320 MHz channel operations
- Dynamic Frequency Selection (DFS)
- Wi-Fi Protected Setup (WPS)
- WMM support
- Wi-Fi Security (WPA2/WPA3)
- Guest Wi-Fi (2.4 GHz)
- IoT Wi-Fi (2.4 GHz)

## Network features

- Topology Discovery
- IPv4 / IPv6 Dual Stack
- IP sharing for LAN with up to 253 users
- TOS, DiffServ QoS guarantee voice and video quality
- IGMP
- 802.1P/Q
- Multiple queues processing for different packet types
- DNS server
- Dynamic DNS
- NAT and NAPT
- Virtual Server and DMZ
- Firewall function with Access Control List (ACL)
- Dynamic and Static IP

## Security features

- Dedicated secure element for storage of certificates, cryptographic data, as well as support for cryptographic functions

## Advanced features

- TR-143 Speed Test
- Digital Secure Home