

# Q9500XK Tri-Band WiFi Extender

## EXTENDING THE NEXT GENERATION OF WIFI

Extending the next generation of WiFi, the Q9500WK provides secure delivery of high-quality WiFi to any location in the home.

The flexible design supports connectivity to the existing residential gateway or on-premise SmartNID via Ethernet. Additional pods will distribute WiFi coverage via a WiFi backhaul across the entire home or business.

Powered by the industry's latest technology, with four times the data capacity in a dense environment to support current and future home networks. Lightning-fast WiFi speeds powers ultra-fast 4k streaming, online gaming, smart home automation, and more.



## KEY FEATURES AT A GLANCE

- Get ultra-fast wireless speeds for better 4k streaming gaming or video conferencing experience
- Supports the CenturyLink Premium WiFi service
- Delivers whole home coverage with multiple units creating a mesh environment
- Supports WiFi 6 delivering improved bandwidth and coverage, as well as supporting existing customer devices
- Plugs directly into a 120V US wall outlet
- 160 MHZ channel support – Doubles the speeds as offered by 80 MHZ channels to provide Gigabit speeds for compatible mobile devices and laptops
- 1024 QAM
- Dynamic QoS – Prioritizes internet traffic by application and device for smoother streaming.
- Two Ethernet ports – (2x) 2.5 Gbps Ethernet ports to connect wired devices for faster file transfer and uninterrupted connections
- One WiFi SSID for the entire home
- WiFi 6 supports all current WiFi devices – Backwards compatible with 802.11 a/b/g/n/ac device

## WIFI RANGE

- Faster, expanded coverage throughout your home and for all your devices
- High-performance antennas – Six internal antennas provide reliable WiFi coverage over a large area. Antennas are optimized for the best WiFi performance.

## RELIABLE CONNECTIONS

- Enjoy more reliable WiFi connectivity with less interference, advanced features, and best-in-class technology
- Target wake time – TWT significantly improves battery life in WiFi devices such as cell phones and IoT devices
- Beamforming – Improves range and performance for both 2.4 GHz and 5 GHz devices
- Simultaneous tri-band WiFi – Supports both WiFi bands simultaneously to increase available bandwidth and provide a reliable WiFi network
- Configurable backhaul for efficient connections to end devices and WiFi pods
- Pre-optimized antennas – The Q9500WK's antennas come pre-optimized for the best WiFi performance
- QoS – Prioritizes internet traffic by application and devices for smoother streaming.
- Reduced latency - Improved process to screen out neighboring WiFi channels and better optimization of WiFi packet space to improve latency results

## TECHNICAL SPECIFICATIONS

- Tri-band WiFi 6 radios\*\*\*
  - 2.4 GHz: 2x2 (Tx/Rx) 1024 QAM 40 MHz, up to 600 Mbps
  - 5 GHz: 2x2 (Tx/Rx) 1024 QAM 160 MHz, up to 2.4 Gbps
  - 5 GHz: 4x4 (Tx/Rx) 1024 QAM 160 MHz backhauled, up to 4.8 Gbps
  - Backwards compatible with 802.11 a/b/g/n/ac
- Two (2) 10/100/1000/2500 Mbps Ethernet ports
- Multi-color LED status

## SECURITY

- Standards-based WiFi WPA3 security
- Automatic firmware update delivers latest security patches to the Q9500WK

## DIMENSIONS & WEIGHT

- Size: 154 mm x 97 mm x 41 mm (not including plug)  
6.06 in x 3.82 in x 1.61 in
- Weight: 380 g (13.4 oz)

## ENVIRONMENTAL

- Indoor placement only, away from areas with water or steam
- Operating temperature: 0 °C to 40 °C (32 °F to 104 °F)
- Storage temperature: -20 °C to 85 °C (-4 °F to 185 °F)
- Operating humidity: 10% to 90% (non-condensing)
- Storage humidity: 10% to 90% (non-condensing)

†Maximum wireless signal rate derived from IEEE 802.11 specifications. Actual data throughput and wireless coverage will vary and maybe lowered by network and environmental conditions, including network traffic volume, and building construction.

\*\*\*Requires client device that supports 160MHz bandwidth on WiFi. Requires compatible WiFi 6 clients with DL-OFDMA and UL-OFDMA support.