

Q9500WK TRI-BAND Wi-Fi Extender

EXTENDING THE NEXT GENERATION OF WI-FI

Extending the next generation of Wi-Fi, the Q9500WK provides secure delivery of high-quality Wi-Fi to any location in the home and interoperable with Wi-Fi 360.

The flexible design supports connectivity to existing residential gateway, or on-premise SmartNID via Ethernet. Additional pods will distribute Wi-Fi coverage via a Wi-Fi 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 Wi-Fi 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 Quantum Fiber 360 Wi-Fi Service.
- Delivers whole home coverage with multiple units creating a mesh environment.
- Supports Wi-Fi 6 delivering improved bandwidth and coverage, as well as supporting existing customer devices.
- Plugs directly into a 120V US wall outlet.
- 160MHZ Channel Support – Doubles the speeds as offered by 80MHz 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) 2.5Gbps Ethernet ports to connect wired devices for faster file transfer and uninterrupted connections.
- One Wi-Fi SSID for the entire home.
- Wi-Fi 6 supports all current Wi-Fi devices – Backward compatible with 802.11 a/b/g/n/ac device.

Wi-Fi RANGE

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

RELIABLE CONNECTIONS

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

TECHNICAL SPECIFICATIONS

- Tri-Band Wi-Fi 6 Radios***
 - 2.4 GHz: 2x2 (Tx/Rx) 1024 QAM 40MHz, up to 600 Mbps
 - 5GHz: 2x2 (Tx/Rx) 1024 QAM 160MHz, up to 2.4 Gbps
 - 5GHz: 4x4 (Tx/Rx) 1024 QAM 160MHz 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 Wi-Fi WPA3 Security
- Automatic firmware update delivers latest security patches to the Q9500WK.

DIMENSIONS & WEIGHT

- Size: 154mm x 97mm x 41mm (not including plug)
- 6.06in x 3.82in x 1.61in
- Weight: 380g (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 Wi-Fi. Requires compatible Wi-Fi 6 clients with DL-OFDMA and UL-OFDMA support.