

# FiOS Network Extender

verizon<sup>✓</sup>



Model# WCB6200Q

## Get blazing fast 802.11ac WiFi speeds everywhere in the house or business.

Tired of dead spots in your home's wireless network? Is your living room or meeting room too far from your router for streaming video? There's an easy way to get the high-performance wireless network you want. With the WCB6200Q Wireless Network Extender, you can extend the range of your WiFi network to the far corners of your home or business. And with next generation 802.11ac speeds, bonded MoCA and video prioritization technology, the WCB6200Q doesn't just extend your existing network, it turbo-charges it.

## Works over the coax wiring already in your home or business.

With MoCA technology, your home's or business's existing coaxial wiring is instantly converted into a network that delivers high speed internet access to the many devices in your home or business. The result is a powerful whole-home or business network and the benefits of a wired connection, without having to run new Ethernet cables through the walls.

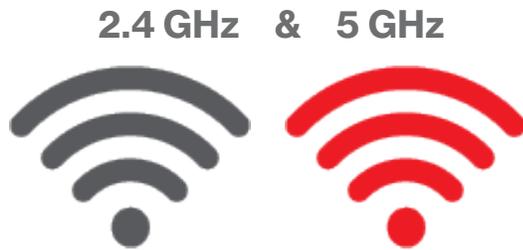
## Get next generation 802.11ac speeds.

Don't have a wireless router that supports high-speed 802.11ac yet? No problem. The WCB6200Q extender adds 802.11ac to your network, delivering wireless speeds up to 2.8 times faster than your wireless N network. With a total WiFi throughput up to 2 Gbps\*, the WCB6200Q lets you stream HD-quality video and play online games without any glitches or lag. It's one of the most cost-effective ways to upgrade your network to next generation technology without replacing your router.

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## Simultaneous dual-band 2.4GHz and 5GHz 11ac radios

The WCB6200Q features dual bands, meaning it can transmit on both the 5 GHz and the 2.4 GHz wireless bands simultaneously. You can use either the 2.4 GHz or 5 GHz band for basic web browsing, while leveraging the 5 GHz band (which is cleaner and has less interference) for HD video.



## One Wi-Fi network for seamless roaming

When you add a second wireless access point or repeater to the home or business network, you often need to manage different wireless credentials. That means you'll need to switch over to a new network as you move from one area of the home or business to another... not an ideal situation when you're streaming a video. But Verizon's Wireless Network Extender can use the same wireless credentials as the wireless gateway, so you can seamlessly roam around the house or business without having to worry about connecting to a new network.

## Gigabit speeds with bonded MoCA technology

With support for the latest bonded MoCA 2.0 standard, the WCB6200Q bonds MoCA channels to support speeds up to 1 Gbps through the home's or business's existing coaxial wiring. The result is a richer home or business networking experience and higher performance for video and gaming apps.

## Amazingly user-friendly wireless extender

The WCB6200Q takes the complexity out of setting up an extender in the home network. Simply connect the wireless extender to an Ethernet or coax port in the home or business: the Verizon gateway automatically passes all of the wireless settings to configure the adapter in seconds, or it can be configured by the TR-069 Remote Management System. You won't need to configure a thing. And the WCB6200Q uses the same WiFi network settings as the router, including the SSID, so devices can seamlessly roam between areas without having to connect to a new network.

## Remote management via TR-069, TR-111 & TR-181

The extender supports multiple remote management standards, giving service providers the extensive visibility and control over the WCB6200Q as well as other customer premise equipment.

## Features

- Fast 802.11ac/n Wi-Fi wherever you need it
- Upgrade to 802.11ac speeds without replacing your router
- Dual band concurrent radio for wireless throughput up to 2 Gbps\*
  - 4x4 MIMO 802.11ac 5 GHz solution with explicit dynamic digital beamforming
  - 2x2 2.4 GHz radio
- Seamless roaming with one WiFi network name and password
- Multi-User MIMO
- Bonded MoCA 2.0
- Dual Gigabit Ethernet Ports
- 4 Antennas enable X-Y-Z Polarization Diversity
- Seamless Setup Options
  - Auto sync with Wireless Router/Gateway for zero configuration
  - AP/Client mode operation (optional)
  - TR-069 Controlled Setup
- Easy to use and subscriber self-install
- Full TR-069 with remote firmware upgrade and diagnostic capabilities
- IEEE 1905.1 compliant
- 802.11e WMM QoS and 802.1P and 802.1Q
- WPA2, WPA security with AES encryption
- Wi-Fi Protected Setup (WPS)

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## Specifications

### Protocol/Standards/Support

- Wireless IEEE 802.11ac
- Wireless IEEE 802.11n
- Wireless IEEE 802.11 a/b/g
- Ethernet IEEE 802.3/802.3u/802.3ab 10/100/1000 Base-T
- MoCA 1.0/1.1/2.0

### Wireless

- 802.11 a/b/g/n/11ac
- 2x2 internal antenna 2.4 GHz
- 4x4 internal antenna 5 GHz
- Wireless 2.4 GHz and 5 GHz Dual Concurrent Radios
- Wi-Fi Multimedia (WMM), WMM Power Save (WMM-PS)
- 802.11e Power Saving Mode
- Automatic Power Control
- Dynamic TX Power Saving Mode

### Wireless operating channels

- 5 GHz UNII Bands (5.15-5.35 GHz, 5.470-5.725 GHz and 5.725-5.850 GHz bands)
- 20 and 40 MHz Supported
- 80 MHz Supported in 5GHz only

### Network frequency range

- Wireless 2.4 GHz/5 GHz

### Data rate

- Up to 1 Gbps MoCA
- Up to 1 Gbps Ethernet
- Up to 300 Mbps Wireless 2.4 GHz
- Up to 1.7 Gbps Wireless 5 GHz

### Wireless security

- Wi-Fi Protected Access (WPA, WPA2)
- Wi-Fi Protected Setup (WPS)
  - WPS Push Button
  - WPS PIN
  - Auto Configuration with Residential Gateway
- Pre-Shared Key (PSK)
- MAC Address Filtering
- AES Encryption

### Device management

- Password-protected access
- Statistics logging and reporting
- Remote Management: TR-069, TR-111, TR-181
- Local Management: WebUI, CLI (Telnet)

### Hardware

- Flash Memory 128 MB
- SDRAM 128 MB

### LAN interfaces

- Dual 10/100/1000 Ethernet
- MoCA 2.0 Bonded
  - One Coaxial Jack
  - Network Size: 16 Devices
  - Network Password Protected
  - Backwards Compatible with MoCA 1.0/1.1

### Physical specifications

- LED Indicators
  - 1 Power
  - 1 MoCA
  - 2 Wireless
  - 2 Ethernet
  - 1 WPS Button and LED
- External Connectors
  - 2 RJ-45
  - 1 Coax
  - 1 DC Power Input
  - 1 Factory Default Reset Button

### Regulatory approvals

- FCC 15B, 15C
- UL
- WiFi, WPS
- MoCA

### Power requirements

- Voltage: 12 VDC
- Maximum Current: 2A
- Energy Efficiency and Power Management Improvements

[verizon.com/fiosnetworkextender](http://verizon.com/fiosnetworkextender)

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- Maximum wireless signal rate derived from IEEE Standard 802.11g, 802.11n and 802.11ac specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction and network overhead lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.
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