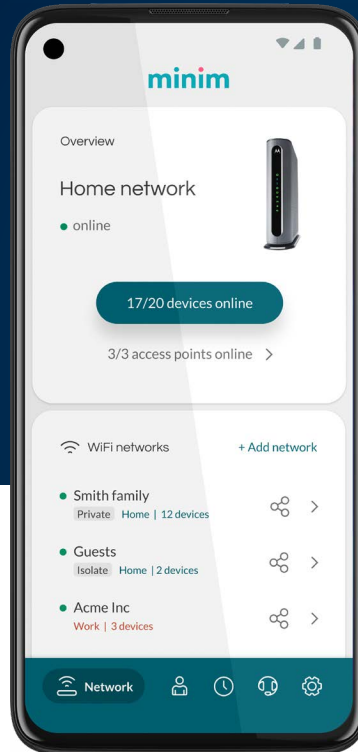


# ULTRA FAST

## DOCSIS 3.1 modem + AC3200 wifi router

- Multi gigabit speeds
- Power boost™ & beamforming
- Intelligent mobile app & security
- 2 year warranty

xfinity COX Spectrum



## HELLO SPEED

### ultra fast DOCSIS 3.1 cable modem

Features 4 GigE ethernet ports for wired connections. Active Queue Management (AQM) reduces lag for faster page loads and enhanced interactive applications. Full-band Capture Digital Tuning delivers energy efficiency. Backwards compatible with 32x8 DOCSIS 3.0.

### powerful 4x4 wifi 5 router

Power Boost™, Range Boost, and AnyBeam WiFi beamforming amplify the available WiFi signal for high-speed streaming, gaming, and connecting throughout the home. MU-MIMO seamlessly manages multiple device connections. Supports multi gigabit speeds\*.

### intelligent mobile app

Manage and optimize your home network from anywhere with Minim, an intelligent WiFi app. Download the Minim app for guest network management, usage monitoring, speed testing, parental controls, advanced threat protection, network security alerts, and more.

### superior, but pays for itself

Save up to \$168 per year on modem rental fees with your internet provider. Certified for Comcast Xfinity, Cox, and Spectrum and compatible with IPv4 and IPv6. Future-proof your internet setup with DOCSIS 3.1, supporting the fastest internet plans out there.

### built to make your life easier

A worldwide leader in technology people depend on. Comes with a 2 year warranty and free support from our USA team of connectivity technicians. Simplifies the installation process and eliminates wires. Installs in minutes using the Minim app.

# GENERAL

## Cable Modem Service Interface

- F-type female 75  $\Omega$  (standard coaxial connector)

## WiFi Technology

- 802.11ac/n/g/b/a, 4x4 MU-MIMO (Multi-User Multiple Input Multiple Output)

## WiFi Speed and Performance

- Simultaneous Dual Band radios
- Up to 1000 Mbps\* at 2.4 GHz
- Up to 2167 Mbps\* at 5 GHz
- Anybeam at 2.4 GHz and 5 GHz for implicit beamforming with any WiFi compatible device
- Four (4) SSIDs (2 per radio)

## Wireless Standards

- IEEE 802.11ac, n, g, b, and a

## Antennas

- Four (4) internal dual-band antennas
- Power Boost\* wireless amplifiers
- Transmit power:  
2.4 GHz: Up to 30dBm  
5 GHz: Up to 28dBm

## USB Interface

- One (1) USB 3.0 host port for plugging in optional USB storage devices for Network Attached Storage (NAS).
- Supports DLNA Media Sharing for easy sharing of video and audio files by other devices on your network.

## Ethernet Interface

- Four (4) 10/100/1000 Mbps Ethernet LAN ports, with Auto-MDI/MDIX

## Router Mode

- Dynamic DNS
- DHCP Server and Client
- NAT
- Bridging
- Port Forwarding/DMZ support
- RIP v1, RIP v2, RIPng
- Support for up to 253 client devices

## Networking and Security Features

- Stateful Packet Inspection (SPI)
- VPN passthrough: PPTP, IPsec tunneling
- Attack Protection
- IP/MAC/Port filtering
- Denial of Service Notification
- Supports Baseline Encryption (BPI) Management
- Wireless Functions: WMM/WME, Guest Network
- Wireless Security: WPA-PSK/WPA2-PSK, WPA/WPA2, TKIP/AES, WPS, 802.1x Authentication
- Password protected system management
- Cable modem diagnostic log

## LEDs

- Front Panel:
- Power, Downstream, Upstream, Online, LAN, 2.4 GHz WiFi, 5 GHz WiFi, WPS, USB
- Rear Panel:  
Each Ethernet port has two LEDs indicating data flow and LAN connection speed. Green indicates 1 Gbps; amber indicates 10 or 100 Mbps. Blinking indicates data flow.

## Dimensions

- 9.7" tall x 9.5" deep x 2.8" wide  
(246 mm x 241 mm x 71 mm)

## Weight

- 34.4 ounces (975 grams)

## Power Adapter

- DoE-compliant Level VI energy-saving, UL-listed power adapter with 12 Volt DC, 3.5 Amp output and 100-240VAC universal input
- NEMA 1-15 (North American style) 2-prong plug is provided in the US.

## Operating Temperature

- 32° to 104° F (0° to 40° C)

## Certifications

- FCC 15B, 15C and 15E, FCC MPE, Bureau Veritas 60950-1 ITE safety, CableLabs®, cable service providers

## Surge Protection

- Industrial-level surge & lightning protection

## Warranty

- Two years

## System Requirements

- The cable modem must be connected to a cable modem service that uses any of the DOCSIS standards – 3.1, 3.0, 2.0, 1.1

## Package Contents

- DOCSIS 3.1/3.0 Cable Modem with AC3200 WiFi 5 Router
- (does not include phone jacks or phone capability)
- Power Adapter (UL listed)
- Ethernet Cable (Cat 5e)
- Velcro® Cable Tie
- Coax Connection Tool
- Minim App



# OPERATING PARAMETERS

## DOCSIS Standards

- DOCSIS 3.1, 3.0, 2.0, 1.1

## Downstream

- **Data Rate:**  
Up to 6,000 Mbps\*
- **Bonded Channels:**  
Up to 2 OFDM (DOCSIS 3.1) or 32 SCQAM (DOCSIS 3.0)
- **Frequency Range:**  
108 to 1002 MHz
- **Modulation:**  
64, 256, 1024, 2048, 4096 QAM
- **Operating Level Range:**  
-15 to +15 dBmV

## Upstream

- **Data Rate:**  
Up to 800 Mbps\*
- **Bonded Channels:**  
One up to 80MHz OFDMA (DOCSIS 3.1) or up to 8 SCQAM (DOCSIS 3.0)
- **Frequency Range:**  
5 to 42 or 5 to 85 MHz switchable
- **Modulation:**  
QPSK, 8QAM, 16QAM, 32QAM, 64QAM, 128QAM, 256QAM, 1024QAM, 2048QAM, 4096QAM
- **Operating Level Range:**  
+51 dBmV (64 QAM, single channel)  
+57 dBmV (64QAM, 4-8 channels)  
+65 dBmV (16 QAM, single channel)  
+65 dBmV (OFDMA)

## Network Protocols

- IPv4, IPv6, TCP, UDP, ARP, ICMP, DHCP, FTP, TFTP, SNMP, HTTP, HTTPS

## Application Protocol

- SNMP v1/v2/v3

## DHCP Client

- Automatically retrieves IP and DNS server address from DHCP server through WAN connection

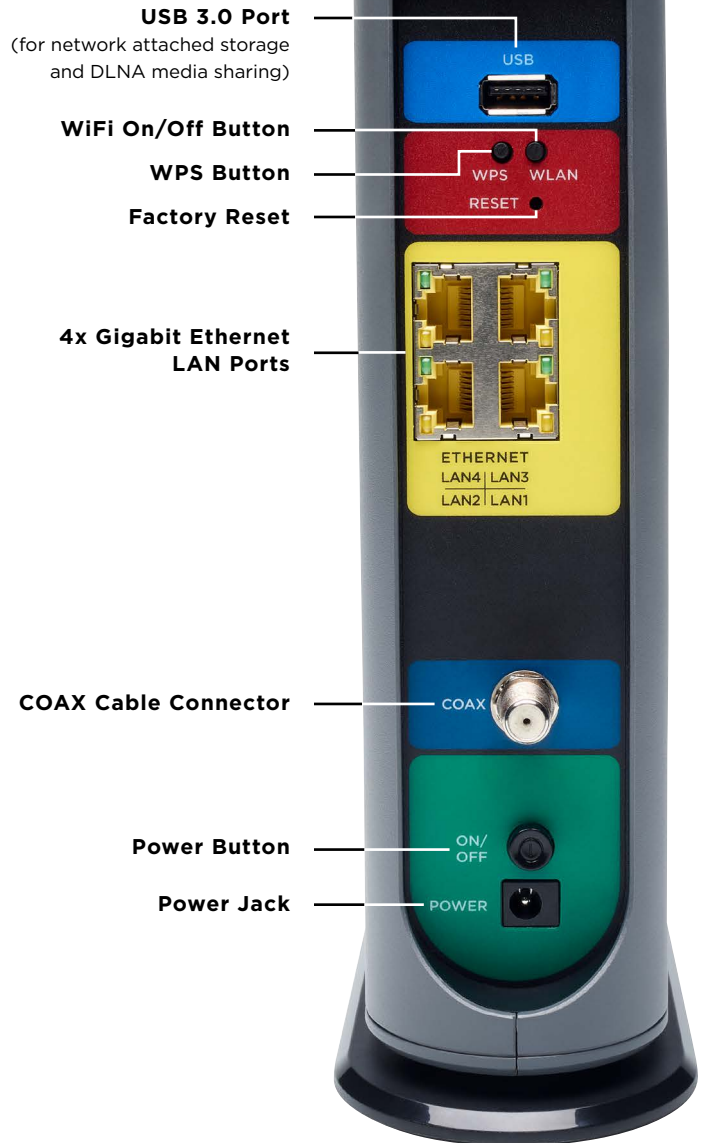
## ToD (RF868)

- ToD support for local and MSO time synchronization management
- Web-based management interface utility

\* The actual speed of a connected device depends on the speed of your Internet service and the speed of the WiFi or Ethernet link to that device. Comcast has tested this modem for actual Internet speeds up to 1000 Mbps.

\*\* This cable modem/router does not have telephone jacks for support of voice phone calls.

## MG8702 BUTTONS AND PORTS



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