



## 24x8 cable modem plus AC1900 WiFi router

Model MT7711



**+ 2 phone lines**

**hellovoice**

Provides 2 phone lines for high-quality Xfinity® voice

Very fast Internet for all your WiFi and Ethernet devices

Power Boost supercharges WiFi for the built-in Gigabit Router

Save! Eliminate cable modem rental costs and the high cost of landline phone service.

Certified to work with Internet Provider Xfinity

**xfinity**



## Product Data Sheet

### Important Features

#### Modem/Router/Phone Combo

24x8 Cable Modem for high-speed Internet access

Built-in AC1900 WiFi Gigabit Router

2 telephone lines for use with Comcast Xfinity®. Includes backup circuitry so phones work even during electric power outages when optional battery is installed\*

#### Fast Internet for All Your Devices

24-channel bonding for download speeds up to 1,000 Mbps.  
8-channel bonding for upload speeds up to 246 Mbps.\*\*

Full-band Capture Digital Tuning for even higher speeds and energy savings

Built-in Router provides high-speed shared Internet access to computers, HDTVs, smartphones, tablets, game stations, streaming media devices, and other Ethernet and WiFi devices.

#### Advanced AC1900 Router Features

Wireless WiFi Power Boost to the FCC limit for high speeds and extended range

AnyBeam WiFi beamforming at 2.4 GHz and 5 GHz focuses the signal on wireless clients for enhanced performance.

Four Gigabit Ethernet ports for high-speed wired connection to Ethernet-capable HDTVs, computers, game stations, and more

User-friendly firewall, guest network capability, Smart QoS, and more

2 Telephone lines for high-quality voice calls when using Comcast Xfinity's telephone service

#### Clean and Easy

Installs in minutes using easy Quick Start

Integrating the modem, router, and phone capabilities saves space, reduces wires and power cubes, and provides a single user interface.

Comes with its own security password to simplify setup

Free support by expert, friendly techs in the USA

#### Flexible

Attractive modem/router/phone product fits where you want it.

Compatible with Comcast Xfinity Internet and telephone services

IPv4 and IPv6 network addressing for enhanced compatibility

#### Saves Money

Typically saves \$132 per year in cable modem rental fees. Phone ports for Xfinity voice eliminate the need for expensive telephone company landline service.

Motorola's superior quality and advanced lightning/surge protection protect your investment.

Two year warranty

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## Specifications

### General

#### Cable Modem Service Interface

- F-type female 75 Ω (standard coaxial connector)

#### Telephony Interface

- Two (2) RJ-11 telephone ports for use with Comcast XFINITY®
- Optional 8-hour battery backup (sold separately)\*
- Supports enhanced call features like caller ID, call forwarding, conference calling, and more

#### WiFi Technology

- 802.11ac/n/g/b/a, 3x3 MIMO (Multiple Input Multiple Output)

#### WiFi Speed and Performance

- Simultaneous Dual Band radios
- Up to 600 Mbps\*\*\* at 2.4 GHz
- Up to 1300 Mbps\*\*\* at 5 GHz
- Anybeam at 2.4 GHz and 5 GHz for implicit beamforming with any WiFi compatible device
- Six (6) SSIDs (3 per radio)

#### Wireless Standards

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

#### Antennas

- Three (3) internal dual antennas
- Power Boost wireless amplifiers
- Transmit power:  
2.4 GHz: Up to 30dBm  
5 GHz: Up to 28dBm

#### 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 and V2
- 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, 2.4 GHz WiFi, 5 GHz WiFi, WPS, Telephone line 1, Telephone line 2, Battery
- 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

- 2 ¼" wide x 8 ¼" deep x 9" tall  
(57 mm x 210 mm x 229 mm)

#### Weight

- 30.4 ounces (862 grams)

#### Power Adapter

- DoE-compliant Level VI energy-saving, UL-listed power adapter with 12 Volt DC, 4 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

- Ruggedized cable and power 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 - 3.0, 2.0, 1.1
- Comcast XFINITY's telephone service is required to use the 2 telephone lines

#### Package Contents

- Cable Modem with built-in WiFi Router and 2 phone lines
- Power Cube (UL listed)
- Ethernet Cable (Cat 5e)
- Phone Cord
- Velcro® Cable Tie
- Coax Connection Tool
- Quick Start Flyer

## Specifications

### Operating Parameters

#### DOCSIS Standards

- DOCSIS 3.0, 2.0, 1.1

#### Downstream

- Data Rate:  
Up to 1029 Mbps\*\*\*
- Bonded Channels:  
Up to 24 SCQAM
- Frequency Range:  
108 to 1002 MHz
- Modulation:  
64 or 256 QAM
- Operating Level Range:  
-15 to +15 dBmV

#### Upstream

- Data Rate:  
Up to 246 Mbps\*\*\*
- Bonded Channels:  
Up to 8 SCQAM
- Frequency Range:  
5 to 42 MHz
- Modulation:  
QPSK, 8QAM, 16QAM, 32QAM, 64QAM, 128QAM, 256QAM
- Operating Level Range:  
+61 dBmV (64 QAM, single channel)  
+54 dBmV (64QAM, 4-8 channels)  
+61 dBmV (16 QAM, single channel)

#### Network Protocols

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

#### Application Protocol

- SNMP v1/v2/v3

#### DHCP Client

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

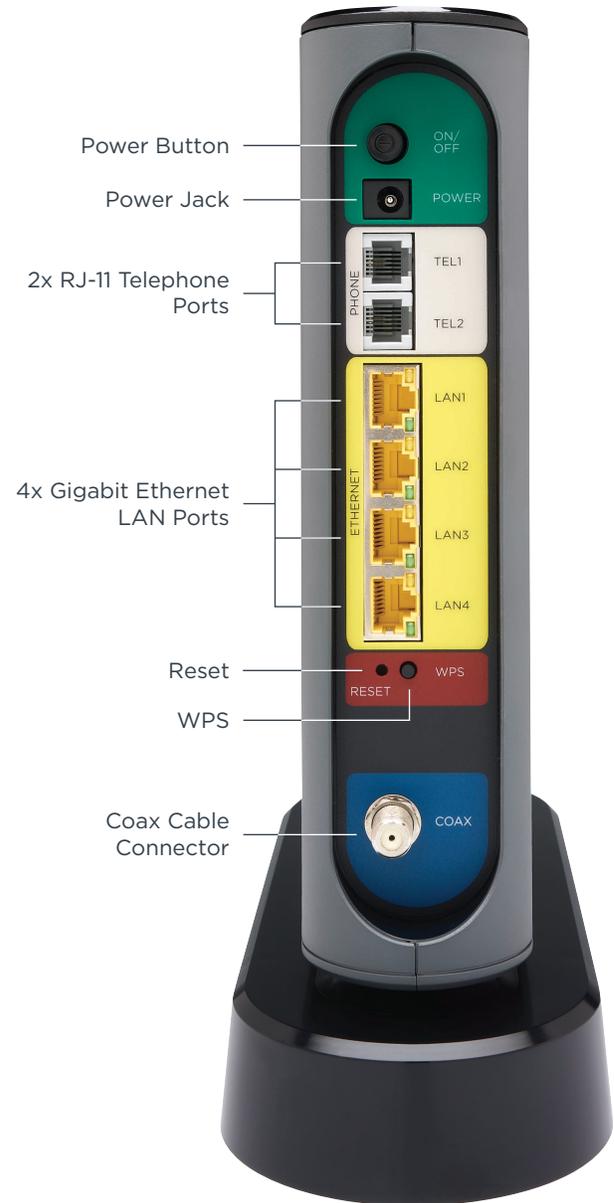
#### ToD (RF868)

- ToD support for local and MSO time synchronization

#### Management

- Web-based management interface utility

### Cable Modem/Router Back Panel



\* Optional battery (sold separately) lets you make phone calls even if AC power is lost. Battery lasts at least 8 hours with phones on-hook, at least 5 hours with one phone in use for a call.

\*\* Speeds shown are maximum wireless speeds derived from IEEE Standard 802.11 specifications. Actual speeds will vary.

\*\*\*1029/246 Mbps is the maximum nominal download/upload speed for 24x8 DOCSIS 3.0 cable modems. Actual speeds depend on a number of factors including the speed of your cable modem service, and will typically be slower.

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