



# DOCSIS 3.0 Cable Modem

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Powerful Internet that Saves  
You Up to \$120 Per Year

TC-7610



8x4 Channel Bonding  
Up to 343Mbps



Easy Setup



Gigabit Port

# Highlights

## Channel Bonding for Better Performance

Certified DOCSIS 3.0 technology allows TC-7610 to deliver download speeds 8x faster than DOCSIS 2.0. The TC-7610 features 8x4 channel bonding for downstream rates up to 343Mbps.

8 | Downstream  
channels



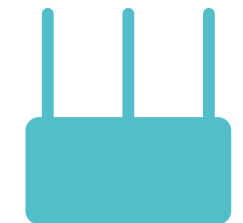
4 | Upstream  
channels



## Quick, Easy Setup

- Connect the coaxial cable to the modem.
- Connect your computer or router to the modem using an Ethernet cable.
- Call your ISP or use service provider self-activation process to activate the modem.

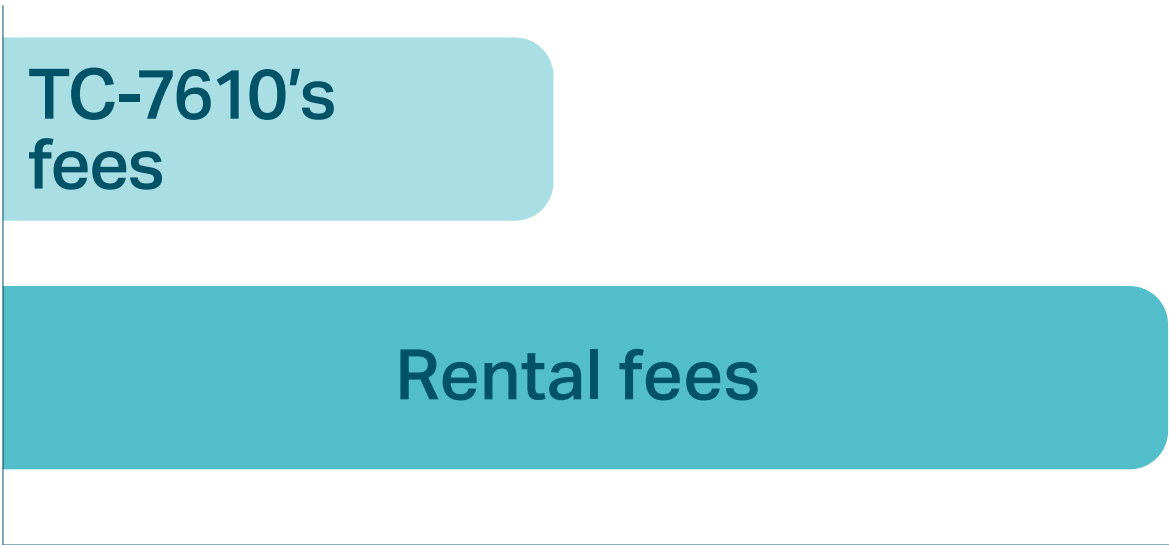
Internet



# Highlights

## Eliminate Monthly Rental Fees

Save money by returning your internet service provider's rental modem.\*



## Compatible with Major Cable Providers

Certified to work with internet service providers: XFINITY from Comcast, Cox, Spectrum®, and more.



# Features

## Speed

- Channel Bonding – Up to 8 downstream & 4 upstream channels provide data rates up to 343Mbps for downstream
- DOCSIS 3.0 Technology – Allows TC-7610 to deliver download speeds 8x faster than DOCSIS 2.0
- Gigabit Port – Ensures faster internet access for PC or wireless router

## Efficiency

- Eliminate Monthly Rental Fees – Save money by returning your internet service provider's rental modem
- Network Compatibility – Compatible with major cable providers
- DOCSIS Compatibility – Backwards-compatible with existing DOCSIS 1.0, 1.1, and 2.0 systems

## Ease of Use

- Easy Setup – Quick and hassle-free installation
- Well-defined LEDs – Clearly display device and network status

## Security

- Security & Firewall – Supports Baseline Encryption (BPI)/BPI+/EAE/SSD

## Reliability

- IPv4/IPv6 Dual Stack – Supports IPv4 and IPv6 Internet Protocol simultaneously
- QoS – Advanced QoS automatically recognizes & prioritizes streaming & gaming applications

# Specifications

## Downstream

- Channel Bonding: Up to 8
- Channel Width: 48 MHz (8 channels) / 6 MHz (single channel)
- Modulation: 64 QAM / 256 QAM
- Symbol Rate: 5.057 Msym/s (64 QAM) / 5.361 Msym/s (256 QAM)
- Maximum Data Rate: Up to 343 Mbps
- Frequency Range: 108 to 1002 MHz (edge to edge)

## Upstream

- Channel Bonding: Up to 4
- Channel Width: 200KHz / 400KHz / 800KHz / 1.6MHz / 3.2MHz / 6.4MHz
- Modulation: QPSK, 8/ 16/ 32/ 64/ 128 QAM
- Symbol Rate: 160 / 320 / 640 / 1280 / 2560 / 5120 Ksym/s
- Maximum Data Rate: Up to 143Mbps
- Frequency Range: 5 to 42MHz (edge to edge)



# Specifications

## Advanced Features

- IP Stack: Supports IPv4 and IPv6 dual stack
- DHCP: DHCP Client
- VPN Passthrough: PPTP, L2TP, IPSec
- Muticast: Support IGMP v1/v2/v3
- Management and Maintance:  
Managed by Web, and SNMP  
Reset to Factory default by Reset button  
Realtime statistics  
System Log

## Others

### Package Contents

- Cable Modem TC-7610
- Ethernet Cable
- Power Adapter
- Quick Installation Guide
- Information Card

### Certification

- FCC, UL, Cablelabs, RoHS

### Protocols and Standards

- IEEE Standards: IEEE802.3, 802.3u, 802.3ab, 802.1p, 802.1q°
- Others: TCP/IP, DHCP, ICMP, IGMP, SNMP,TFTP,ARP,ToD

### Power Supply: 12VDC/1A

### Environment

- Operating Temperature: 0°C~40°C (32°F~104°F)
- Storage Temperature: -40°C~70°C (-40°F~158°F)
- Operating Humidity: 10%~90% non-condensing
- Storage Humidity: 5%~90% non-condensing



For more information, please visit  
<http://www.tp-link.com/us/products/details/TC-7610.html>  
or scan the QR code on the left.

\* Maximum cable internet uplink and downlink speeds are the transmission rates that the device is capable of and certified for based on CableLabs DOCSIS 3.0 technology. Actual cable internet uplink and downlink speeds are not guaranteed and will vary according to your cable provider, MSO provisioning, and the speed tier of your subscription. Some modems are not compatible with certain cable providers. Please check with your cable provider to verify whether this modem is compatible with their service. Broadband cable service is required to use this device. Not compatible with voice services.  
\*Based on a typical monthly equipment rental fee of \$10 per month.  
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