

CG7500

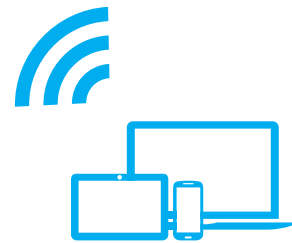
AC1900 WI-FI CABLE
MODEM ROUTER



INTERNET



CABLE MODEM
ROUTER
Converts data
to Ethernet / WiFi



Wi-Fi DEVICES
Connect to cable modem
router, the hub of your
Wi-Fi connections

Certified By Leading Cable Providers



Invest in a better Internet.

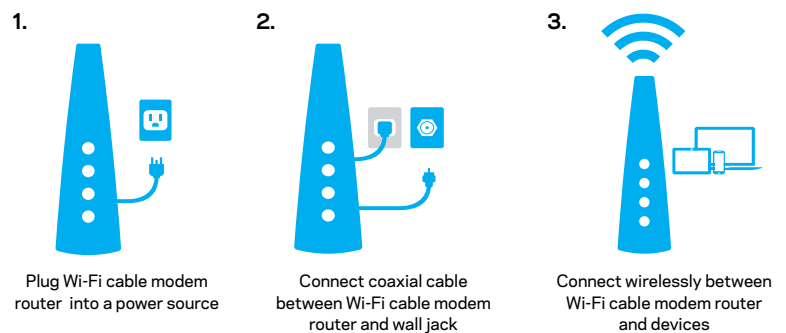
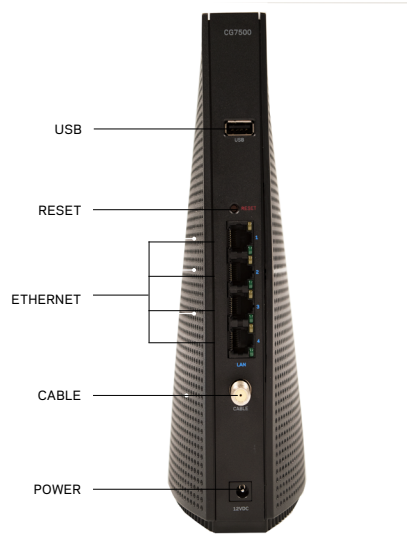
Save up to \$120 a year, own your CABLE MODEM ROUTER, and take control of your Internet. Compatible with all major cable providers, the CG7500 delivers the Internet you deserve from existing ISP plans up to 1.9 Gbps*. Certified for the DOCSIS 3.0 cable Internet standard, get the most out of your existing broadband cable connection and upgrade to stable, high-speed connectivity—ideal for media streaming, online gaming, and web browsing from 24 download and 8 upload bonded channels.

Key Features and Benefits

- **Ideal for Internet plans up to 1.9 Gbps*:**
Stable, high-speed connectivity ideal for multimedia streaming, online gaming, and web browsing
- **Compatible with all major cable providers:**
Eliminate monthly modem router rental fees with Comcast Xfinity, Time Warner, Cox, and Charter
- **Optimize your existing cable broadband connectivity:**
24 download and 8 upload bonded channels
- **Certified for DOCSIS 3.0 cable Internet standard:**
Able to handle high-bandwidth transfer rates over existing cable lines with speeds up to 960 Mbps*
- **Easy plug-and-play setup:**
Three simple steps to faster speeds and maximum savings
- **Features high-performance Intel® Puma 6™ chipset:**
Achieve high-speed downstream and upstream performance

CG7500

AC1900 WI-FI CABLE MODEM ROUTER



PACKAGE INCLUDES

- Linksys 24 x 8 CABLE MODEM ROUTER, CG7500
- Ethernet Cable
- Power Adapter
- Quick Start Guide

SYSTEM REQUIREMENTS

- Requires an existing cable account. If you don't have an existing cable account, contact your local cable provider to sign up for broadband Internet service.
- Modem Router will not work with DSL service.
- User Documentation is also available at: www.linksys.com/support

SPECIFICATIONS

Protocol Support

- DOCSIS 1.1/2.0/3.0
- SNMP v1, v2C, v3
- DHCP, TFTP and ToD clients (IPv4/IPv6)

Management

- Web-based GUI control configuration and management with latest versions of Google Chrome, Firefox, Safari (Mac and iPad) Microsoft Edge and Internet Explorer version 8 and newer
- Color LEDs clearly display network status and activity
- MIB II/MCNS MIB
- Proprietary MIBs for extended support

Connectivity

- RF F-type female 75Ω connector
- RJ-45 Ethernet port 10/100/1000 Mbps (Auto-MDI/MDIX)
- One USB 2.0 Type A connector for storage device

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AC1900 WI-FI CABLE MODEM ROUTER

Reception-Demodulation

- Demodulation: 64QAM, 256QAM
- Data Rate: Up to 960 Mbps with 24 bonded downstream channels
- Frequency (edge-to-edge): 108 ~ 1002 MHz
- Channel Bandwidth: 6 MHz
- Signal Level: -15 dBmV to 15 dBmV
- Input return loss: >6dB

AC1900 3x3 Dual-band Gigabit Modem Router

- Network Standards: 802.11 a/b/g/n/ac
- Speed: AC1900 (N600 + AC1300)
- Wi-Fi Bands: 2.4 and 5 GHz (simultaneous dual band)
- Antennas: 6 internal antennas
- Security: 64/128-bit WEP, WPA2-Personal, WPA2-Enterprise
- Storage file systems: FAT, NTFS, HFS+

Environmental

- Power Input: DC 12V/3A
- Operating Temperature: 32°F (0°C) to 104°F (40°C)
- Storage Temperature: -4°F (-20°C) to 140°F (60°C)
- Operating Humidity: 10% ~ 80% (Non- condensing)
- Storage Humidity: 5% ~ 90% (Non- condensing)

Compliance Certificates

- RoHS Compliant
- FCC, UL

Transmitter-Modulation

- Modulation: QPSK, 8QAM, 16QAM, 32QAM, 64QAM, and 128QAM (SCDMA only)
- Data rate up to 240 Mbps with 8 upstream channel bonding
- Frequency: 5 ~ 42 or 5 ~ 85 MHz depending on the part number
- Upstream transmit Signal Level: +11 to 65 dBmV
- Output return loss: >6dB

Mechanical

- LED:
 - Front: 9 status LEDs (Power, DS, US, Status, LAN, 2.4 GHz, 5 GHz, USB, WPS)
 - Back: LAN Ethernet LEDs (1-4)
- Factory default reset and WPS buttons
- Dimensions: 30 mm(W) x 185 mm(D) x 240 mm(H)
- Weight:

Specifications are subject to change without notice. An active, customer-purchased Internet service provider broadband account is required for connection of this CABLE MODEM ROUTER and other connected computers and devices to the Internet. Some devices may require additional wireless adapters or an Ethernet cable to connect to this modem.

* 1.9 Gbps represents the maximum throughput you can achieve with the Internet plan provided by your cable service provider. Actual throughput will be lower than 1.9 Gbps, as this throughput is dependent on your contract with your cable service provider.

* 960 Mbps based on DOCSIS 3.0 throughput. Maximum speed varies depending on the service provided by the cable operator. IPv6 availability is dependent upon your ISP or service provider providing IPv6 capability.

Speed references are provided, marketed, and sold by your broadband service provider and not Linksys. Actual performance may vary, including lower network speed and data throughput rate. Performance depends upon many factors, conditions and variables, including products used, number of users accessing the Internet, type of traffic generated by each user (interactive browsing versus video streaming), interference, and other adverse conditions. Actual data throughput will be lower than indicated and may depend on the mix of products used and external factors.



Compatible with Windows 7, Windows 8, and Windows 10

Part Number	Description
CG7500	AC1900 WIFI CABLE MODEM ROUTER

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