

Nighthawk® Mid/High-Split 2Gbps Internet Speed Cable Modem



Access the Fastest Cable Internet Speeds

Unlock faster cable internet speeds that can only be accessed with the latest DOCSIS® 3.1 mid/high-split technology. The Nighthawk® CM2500 cable modem powers your digital lifestyle with download speeds up to 2Gbps[‡] and upload speeds up to 1Gbps[‡] for better capacity, efficiency, and response times.²

Your entire family can enjoy lag-free gaming, crisp video conferencing, smoother music and video streaming, and easy remote access to your home security cameras. Watch pages load instantly and eliminate lag times thanks to NETGEAR's DOCSIS® 3.1 Active Queue Management and OFDMA which dramatically improve response times and overall performance.

Get multi-gig speeds up to 2Gbps[‡] by connecting the two 1 Gig ports to a router that supports internet with link aggregation. To push your Nighthawk's performance even further, you can pair the CM2500 with a NETGEAR WiFi 6E or WiFi7 router or with our amazing Orbi system. The Nighthawk CM2500 works seamlessly with every major U.S. cable service provider.

Key Features

- **Unlock Faster Cable Internet Speeds** --Enjoy 20% more spectrum[†] overall and faster internet speeds that can only be accessed with the latest DOCSIS® 3.1 mid/high-split technology.
- **Upgrade Your Modem Technology** --With DOCSIS® 3.1 mid/high-split technology, this cable modem delivers download speeds up to 2Gbps[‡] and upload speeds[‡] up to 1Gbps.[‡]
- **Download Faster**-- Impressive download speeds² power your digital lifestyle with enhanced speed, capacity, efficiency, and response times.
- **Upload Faster**--10x faster upload speeds for seamless multi-family gaming, video conferencing, and uploading even the largest files - simultaneously.² Plus, provides easy remote access to your home security cameras and files on your NAS.
- **Combine Multi-Gigabit ISP Speeds with More NETGEAR Innovations**--For the ultimate in performance, simply combine our Multi-Gigabit speeds of up to 2Gbps with one of NETGEAR's award-winning WiFi 6E or WiFi 7 routers or Orbi systems.[‡]
- **Save Money Every Single Month**--Instead of renting a cable modem from your ISP, purchase your own high-performance modem and save up to \$300 a year in fees.¹

- **Take on Future Internet Speeds**--With mid/high-split technology to access today's faster speeds, you'll be prepared to take on future network speeds at much higher performance levels.^{††}
- **Connect for Multi-Gigabit**--Reach up to 2Gbps by connecting the two 1Gig ports to a router that supports Internet with link aggregation.
- **Experience Faster, Smoother Loading**-- Watch pages load instantly and eliminate lag times while online gaming and video conferencing. DOCSIS® 3.1 Active Queue Management and OFDMA dramatically improve response times and overall performance.
- **Wider Compatibility**--DOCSIS® 3.1 is fully backward compatible with DOCSIS® 3.0 mid-split spectrum and supports all major internet service providers.
- **More Energy-efficient**--Using the latest low-power chip reduces power for more efficient operation and extends the overall modem lifespan.
- **Saves Space While Being Stylish**-- Functional yet elegant, this modem's small footprint fits nicely into any space - while looking sharp and never being cumbersome.

Technical Specifications

- 32 downstream and 8 upstream SC-QAM channels
- 2 OFDM Downstream channels and 2 OFDMA Upstream channels
- DOCSIS® Quality of Service (QoS)
- Two (2) LAN 1Gbps Gigabit Ethernet ports with support for link aggregation
- One (1) WAN coaxial cable connection
- IPv6 next-generation internet addressing support



Nighthawk® DOCSIS® 3.1 High Speed Internet Cable Modem

Package Contents

- Nighthawk® Mid/High-Split 2Gbps Internet Speed Cable Modem (CM2500)
- One (1) Ethernet cable
- Power adapter
- Quick start guide

Physical Specifications

- Dimensions: 6.8 x 3.7 x 8.2 in (172 x 94 x 208 mm)
- Weight: 1.09 lb (495 g)

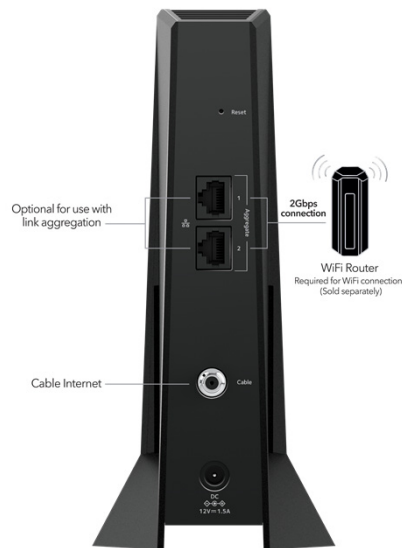
Warranty & Support

- NETGEAR 1-year limited warranty www.netgear.com/warranty
- Extend your warranty & technical support within 90 days of product purchase [US only].* Visit: <http://prosupport.netgear.com/home>
- Join the NETGEAR Community Forum. Visit <http://community.netgear.com>

System Requirements

- Cable broadband internet service
- Please check your cable Internet service provider web site for data speed tier compatibility and to ensure it provides DOCSIS® 3.1 service, otherwise this modem will only work as a DOCSIS® 3.0 modem
- Not compatible with cable bundled voice services
- This cable modem does not have a built-in wireless router
- WiFi router required for connection to WiFi devices

Connection Diagram



This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller.

* 90-day complimentary technical support following purchase from a NETGEAR authorized reseller.

† Mid/high-split modem provides more than 2x upstream spectrum than current market products and 20% more spectrum overall.

‡ CM2500 is prepared for today and tomorrow with both mid-split and high-split technology. Mid-split technology is currently being offered by some ISPs in some regions. High-split technology may be offered by ISPs in the future. Please check with your ISP regarding mid-split and high-split compatibility.

‡ Gigabit service plans required for Gigabit or Multi-Gig Internet speeds.

¹ Savings shown may vary by cable service provider.

² Compared to DOCSIS® 3.0 and low-split. Maximum rate is derived from DOCSIS® 3.1 and mid/high-split specifications and actual throughput will vary depending on your Internet subscription with your provider.

NETGEAR makes no express or implied representations or warranties about this product's compatibility with any future standards.

Customer-owned modems may not be compatible with certain cable networks. Please check with your cable provider to confirm this NETGEAR modem is allowed on your cable network.

For indoor use only.

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