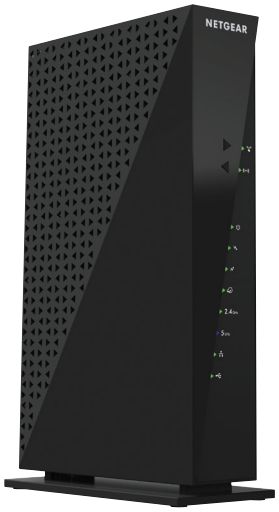
NETGEAR®

802.11ac DOCSIS® 3.0 Wireless Gateway Series

Data Sheet - Preliminary

C6250



Overview

The NETGEAR® C6250 802.11ac DOCSIS 3.0 Wireless Gateway Series gateway delivers next generation Wi-Fi at Gigabit speeds.

By integrating beamforming into the C6250 802.11ac DOCSIS 3.0 Wireless Gateway, operators can experience significant value and benefits. Enhanced performance and a more stable connection can help reduce the number of support calls that operators receive related to Wi-Fi connectivity and performance. Service providers' customers may experience increased levels of customer satisfaction with the reduction of dead zones and performance variation due to device orientation. For mobile devices incorporating 802.11ac, this will result in increased throughput for faster downloads and better video streaming experience.

Service providers will find the addition of beamforming to be exceptionally helpful as more and more mobile devices incorporating 802.11ac become available. Additionally, standard-based implementation can help ensure interoperability with a wide variety of 802.11ac client devices.

The C6250 802.11ac DOCSIS 3.0 Wireless Gateway utilizes simultaneous dual-band Wi-Fi technology to enable speeds up to 300+1300 Mbps (300 Mbps at 11n and 1300 Mbps at 11ac). This makes it ideal for larger homes with multiple devices.

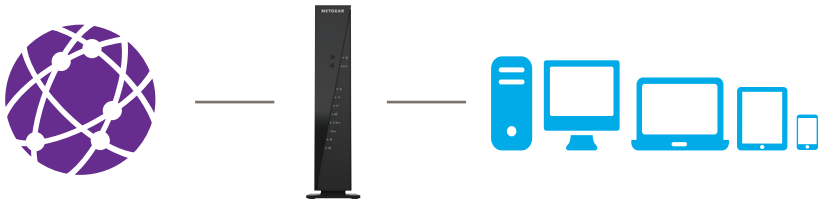
The NETGEAR Difference

- Improved Wi-Fi range and performance with Beamforming
- Up to three times faster than 802.11n
- Up to 16 times faster than DOCSIS/ Euro-DOCSIS 2.0

Benefits

- HD video streaming through the home
- Compatible with next generation Wi-Fi devices
- Backward compatible with 802.11n
- WAN speeds of up to 800 Mbps (V2 with 16x4 and in Euro-DOCSIS mode)

Whole Home System



Internet Service Provider Connection

DOCSIS 3.0 Wireless Gateway

Desktop, Laptop Computer, Tablet or Smartphone

Features

- DOCSIS 3.0/Euro-DOCSIS 3.0 – 16x4 or 8x4 full band capture
- 11ac next generation Wi-Fi at Gigabit speeds
- NETGEAR genie® app for computers, tablets and smartphones
- Enhanced support tools
- TR069, SNMP remote management
- Hotspot/Wi-Fi offload support using GRE soft tunneling

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Technical Specifications

Physical Interfaces

- WAN – 16x4 channel-bonding with full-band capture technology (WAN speeds)
- LAN – 4 GigE ports; optional 1 G WAN port
- Wi-Fi – AC1600 2x2 – 2.4 GHz and 3x3 11ac 5GHz

Wi-Fi

- 3x3 11ac with Beamforming
- Wi-Fi Power On/Off

Ease-of-use

- Easy install
- Push 'N' Connect

Advanced Features

- Parental controls
- DLNA
- ReadySHARE® USB access
- NETGEAR genie® application
- TR069 remote management
- Hotspot for wireless off-load

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 24 cm between the radiator & your body.

Note: The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must fixed to US operation channels only.