NETGEAR®

DOCSS 3.0 AC1900 Voice Gateway with MoCA 2.0

Data Sheet – Preliminary

C7000BMX

AC1900 WiFi speeds plus Beamforming+ for a stronger connection to each device

The new NETGEAR DOCSIS® 3.0 AC1900 Voice Gateway with MoCA 2.0 (C7000BMX), gives service providers the ultimate MoCA experience for their subscribers with Beamforming+ for a better, stronger connection and incredibly fast streaming and gaming with minimized buffering and interruptions.

The NETGEAR C7000BMX raises the bar with its incredibly fast WiFi giving service provider's subscribers the power to connect to all of their smartphones, tablets and mobile devices faster than ever before.

Built-in NETGEAR genie® offers end-users complete access and management of their home network, resulting in fewer technical support calls. NETGEAR Enhanced Support Tools offer easy troubleshooting for cable operators providing unprecedented visibility and diagnostic tools to ensure carrier-grade voice services.

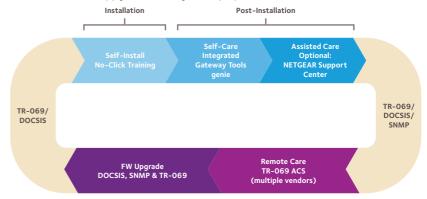**ReadyShare USB**   **Beamforming+**   **WPS**   **DLNA**

The NETGEAR Difference

- 11ac ultra-fast cable Internet speeds up to 1 Gbps with NETGEAR Beamforming+ for expanded coverage and a better WiFi connection
- NETGEAR genie® application for simplified home network management
- Enhanced support tools with TR-069, SNMP and genie app
- Hotspot/WiFi offload support using GRE soft tunnel
- ReadyShare USB hard drive access through local network
- Live parental controls
- MoCA 2.0 for in home video and data distribution over Coax

Benefits

- 11ac AC1900 WiFi – 600+1300 Mbps[†] speeds
- Up to 1 Gig DOCSIS download speed with 24 bonded channels
- Explicit and implicit Beamforming+ for improved WiFi range and performance even for legacy devices that do not have 11ac built-in
- High powered amplifiers and antennas to extend WiFi coverage
- Upstream and downstream advanced Quality of Service (QoS) for best gaming and video streaming experience
- Integrated 4-port Gigabit Ethernet switch
- Next generation of HD voice with PacketCable 2.0
- Integrated MoCA 2.0 for high speed IP video connectivity

Ease of Use

- Installation and management is simple and easy with Push 'N' Connect and NETGEAR genie app
- Push 'N' Connect (WPS) makes installation easy with the push of a button
- NETGEAR genie has a host a features to give end-users ultimate access and control of their network:
  - Turbo Transfer: Share files within home network between PC, MAC or Android
  - Home network management
  - MyMedia: Find and play media files from network
  - Guest Network and EZ Mobile Connect: Separate and secure access for guests; scan QR code to connect guests to the network
- Internal Power Supply with battery backup option

Installation   **Post-Installation**

Self-Install No-Click Training

Self-Care Integrated Gateway Tools genie

Assisted Care Optional: NETGEAR Support Center

TR-069/ DOCSIS

TR-069/ DOCSIS/ SNMP

FW Upgrade DOCSIS, SNMP & TR-069

Remote Care TR-069 ACS (multiple vendors)

NETGEAR®

DOCSS 3.0 AC1900 Voice Gateway with MoCA 2.0

C7000BMX

Technical Specifications

System Requirements

- Cable broadband Internet service
- Microsoft® Windows® 7, 8, Vista®, Mac OS®, or other operating systems running a TCP/IP network
- Microsoft® Internet Explorer® 9.0, Firefox® 2.0, Safari® 1.4, or Google Chrome™ 11.0 browsers or higher
- Use laptop with 3x3 450 Mbps adapter like Centrino® 6300/5300 for maximum performance
- Use with an 802.11ac adapter like NETGEAR A6200 for maximum performance

Physical Interfaces

- 1: USB 2.0 port
- 1: Coaxial port for cable Internet
- 2: Voice ports
- 4: Gigabit Ethernet ports with auto-sensing technology
- MoCA 2.0
- Battery slot

Security

- WPA/WPA2 – PSK
- SPI and NAT firewall
- Denial-of-Service (DoS) attack prevention
- WPS

Power

- 12V/3.5A
- Internal power supply

Environmental Specifications

- Operating Temperature: 5–40 ºC
- RoHS/REACH/WEEE Compliant

Network Management

- Remote GUI Management
- Genie® GUI Management
- uPnP
- DLNA
- Port forwarding/Port Triggering
- DHCP Server

LEDs

- Power
- DS/US
- ONLINE
- Telephony
- 2.4GHz
- 5GHz
- WPS
- WiFi

Ease-of-use

- NETGEAR genie for PCs, iPad, tablets, MacBook Air, and smartphones
- Push 'N' Connect using WiFi Protected Setup® (WPS)

Advanced Features

- 24x8 3.0 Modem
- Download and upload speeds up to 960 Mbps-1.2 Gbps
- IPv6
- Simultaneous dual-band WiFi
- WiFi Transmitters/Receivers (Tx/Rx)- 3x3 (2.4GHz) + 3x3 (5GHz)
- WiFi Boost with high-powered radio amplifiers
- Advanced QoS
- Four Gigabit Ethernet ports

NETGEAR Green Features

- Wireless On/Off button
- 80% recycled packaging
- CEC (California Efficiency)
- RoHS
- WEEE
- REACH

Package Contents

- C7000BMX cable gateway
- Ethernet cable
- Quick install guide

† Maximum wireless signal rate derived from IEEE standard 802.11 specifications. Actual data throughput and wireless coverage will vary. Network conditions and environmental factors, including volume of network trac, building materials and construction, and network overhead, lower actual data throughput rate and wireless coverage. NETGEAR makes no express or implied representations or warranties about this product's compatibility with any future standards. 802.11ac 1300 Mbps is approximately 3x faster than 802.11n 450 Mbps. 2.4GHz Performance Mode requires 256 QAM support on WiFi client. Up to 1300 Mbps wireless speeds achieved when connecting to other 802.11ac 1300 Mbps devices.