Touchstone® CM3200 Cable Modem

32x8 DOCSIS® 3.0 Cable Modem

FEATURES

• DOCSIS®3.0 / EuroDOCSIS 3.0 Certified and backward compatible
• External AC/DC Adapter for reduced product size
• Flexible DS x US channel bonding support (up to 32x8)
• DS Spectrum Analysis, Speed Test, and LEDs for troubleshooting
• Business Services over DOCSIS (BSoD) support
• Available in 42MHz and 85MHz upstream options

PRODUCT OVERVIEW

The Touchstone® DOCSIS® 3.0 32x8 Cable Modem CM3200 delivers over a Gigabit per second of raw speed. The CM3200 is well-suited to the home user – offering the speeds to stream multimedia content to multiple devices and the responsiveness to keep you “in the game” for online gaming. However, the CM3200 is also a serious commercial solution, ready to meet the challenging demands of small business with its Business Services over DOCSIS (BSoD) support.
SPECIFICATIONS

Physical
- Operating Temperature °F (°C): 32 to 104 (0 to 40)
- Operating Relative Humidity (Min-Max): 5-95% (non-condensing)
- Storage Temperature °F (°C): -40 to 158 (-40 to 70)
- Dimensions (H x W x D) in. (cm): Excludes F-connector, 5.9 x 5.3 x 1.8 (15.0 x 13.5 x 4.6)
- Weight lbs (kg): 0.77 (0.35)
- Diagnostic LEDs: Power, US/DS, Online, LAN

Interfaces
- RF Interface: External 75Ω 'F' type connector
- Data Interface: 10/100/1000 Base-T Ethernet RJ-45
- Power Interface (nominal): Adapter input = 115-240 VAC, 50/60 Hz
- Adapter output (to CM3200) = 12V/2A

RF Downstream
- Frequency Range (MHz) (edge-to-edge): CM3200A/NA: 88-1002
- CM3200B/CE-85: 108-1002
- Bonded Channels: Up to 32
- Tuner Configuration: Full capture tuning range
- Modulation (QAM): 64 or 256
- Data Rate (Mbps, Theoretical): Up to 1000 limited by GigE interface
- RF Input Sensitivity Level (dBmV): -15 to +15
- Carrier Bandwidth (MHz): 8 (Annex A) or 6 (Annex B)
- MoCA® Immunity Filter: Embedded

Standards
- DOCSIS® 3.0 Certified
- UL® 60950 / CB
- FCC Part 15 Class B
- RoHS / WEEE
- IEEE 802.3, IEEE 802.3ab

RF Upstream
- Frequency Range (MHz): CM3200A/NA: 5-42
- CM3200B/CE-85: 5-85
- Bonded Channels: Up to 8
- Modulation: QPSK, 8QAM, 16QAM, 32QAM, 64QAM, 128QAM (S-CDMA only)
- Modulation Bandwidth (kHz): TDMA: 200, 400, 800, 1600, 3200, 6400
- S-CDMA: 1600, 3200, 6400
- Data Rate (Mbps, Theoretical): Up to 240
- RF Output Level (dBmV–1 channel): TDMA: +17 to +61 (QPSK);
- +17-58 (8QAM, 16QAM);
- +17-57 (32QAM, 64QAM)
- S-CDMA: +17 to +56 (all modulations)

- Note1: A-TDMA max output reduced 3dB when transmitting 2 channels (6dB when transmitting 3+ channels). Extended US power compensates at higher bonding levels to ensure max output does not drop below +54dBmV.

- Note2: S-CDMA max output reduced 3dB when transmitting 2 or more channels.

Automatics Level Adjust: Yes
- Frequency Stability (kHz): ±5
- Output Impedance (Ω): 75

ORDERING INFORMATION

Part # | Description
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1000030 | CM3200A/NA, DOCSIS 3.0 CM, SHIPS IN 32X8 MODE, 115-240VAC 50/60Hz (external adapter), NA Power Cord, 1x GigE, No USB, RoHS
1000614 | CM3200B/CE-85; DUAL MODE D3.0/ED3.0, SHIPS IN 32X8 MODE, 5-85MHZ UPSTREAM, 200-240VAC, 50/60Hz (external adapter), CE Power Cord, 1x GigE, No USB, RoHS

CUSTOMER CARE

Contact Customer Care for product information and sales:
- United States: 866-36-ARRIS
- International: +1-678-473-5656

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