Touchstone CM9200

DOCSIS 3.1 Cable Modem

FEATURES

- 2x2 OFDM/OFDMA DOCSIS$^©$ 3.1 channels
- 32x8 SCQAM DOCSIS$^©$ 3.0 channels
- Full Capture Bandwidth Tuner
- Switchable US filter options include: 5-85MHz or 5-204MHz
- DS frequency range: : 108/258-1218MHz
- Multi Processor Technology (BCM3390VL)
- 1 Port 2.5 Gigabit Ethernet LAN
- Multiple L2VPN BSoD support with OAM extensions
- PNM based network monitoring and diagnostics
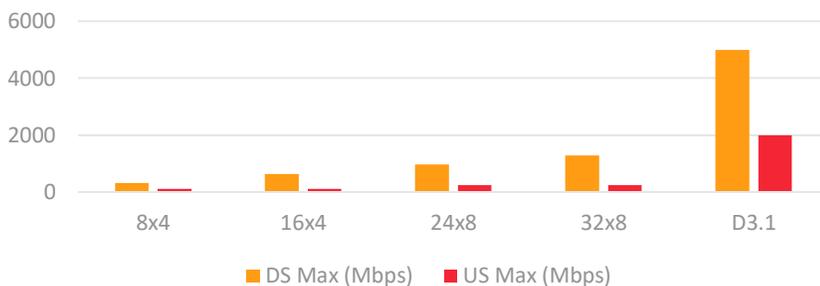- DS / US spectrum analyzer functionality

PRODUCT OVERVIEW

The CM9200 DOCSIS 3.1 implementation allows unprecedented data rates to be delivered to subscribers. The CM9200 is designed to enable deployment of multi-gigabit data services (up to 2.5Gbps max theoretical). Switchable US filter provides for flexible RF performance, reduced potential for interference in the home network, and flexibility in a Service Provider's transition from DOCSIS 3.0 to DOCSIS 3.1. Overall, this feature-packed unit is intended to serve as the hub of a subscriber's network, connecting all IP-capable devices (Internet, Data, Voice and Video) throughout the customer premises.

With residential high-speed data service, support is a top concern. The CM9200 distinguishes itself by providing tools to minimize the complexity of support. US and DS spectrum analysis along with proactive network management based diagnostics take the monitoring and diagnostic capabilities of the CM9200 to a premium level. OAM extensions to L2VPN allow for system-level provisioning and diagnostics. Multiple provisioning methods (SNMP and Configuration File) allow custom-designed setup to be applied to monitor the end user more efficiently. An intuitive Graphical User Interface eases troubleshooting and control. The CM9200 is defining the future for advanced residential and SOHO services.

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DOCSIS 3.0 vs DOCSIS 3.1 Speeds

■ DS Max (Mbps)   ■ US Max (Mbps)

SPECIFICATIONS

Physical

Operating Temp (°C)	0 – 40
Operating Relative Humidity	5-95% (Non-Condensing)
Storage Temp (°C)	-40 to 70
Dimensions, HxWxD (in)	7.1 x 2.4 x 6.0
Weight (lbs) °C)	0.94
Diagnostic LEDs (Front)	Power, Online
Diagnostic LEDs (Rear)	Ethernet Link/Speed

Interfaces

RF Interface	1 External 'F' Connector
Data Interfaces	1x 100/1000/2500 Base-T Ethernet RJ-45
Input Voltage (Nominal)	12VDC, 1.5A (adapter) 100-220V, 60Hz, 0.6A

SPECIFICATIONS

RF Downstream

Bonded Channels	Up to 32 SC-QAM and/or 2 OFDM
Tuner Configuration	Full Capture Tuning Range
Frequency Range (MHz)	108/258 – 1218 (DOCSIS)
Data Rate (Gbps, Max)	2.5
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS)

RF Upstream

Bonded Channels	Up to 8 SC-QAM and/or 2 OFDMA
Frequency Range (MHz)	5 – 85 / 5 – 204 (DOCSIS)
Configurable Diplex Filter (MHz)	85 or 204 options
Data Rate (Gbps Max)	2.5
RF Output Level (dBmV)	+57 (64QAM, single US) +54 (64QAM, 4-8 US) +58 (16QAM, single US) +65 (OFDMA)

ORDERING NUMBERS

1001418	CM9200A/NA,D3.1,BROADCOM,5-1002MHZ, 42/85 SWITCH US DIPLEXER,1-ENET(2.5G),GENERIC/NA
1001604	CM9200B/CE-204,D3.1, 108/258-1218 SWITCH DS DIPLEXER, 5-85/204 SWITCH US DIPLEXER,1-ENET(2.5G),EUR,PHASE 2

CUSTOMER CARE

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