

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: 258-1218MHz
- Multi Processor Technology (BCM3390V)
- 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

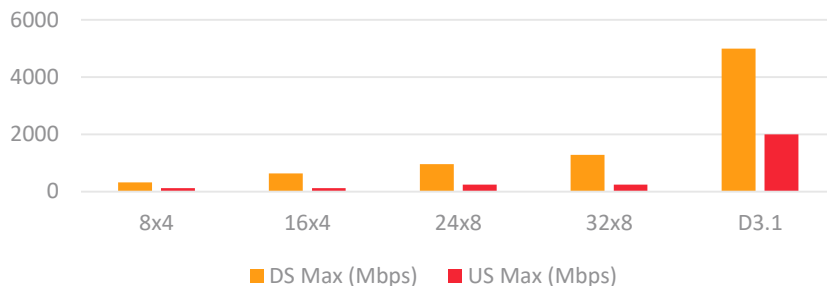
The CM9200 DOCSIS 3.1 implementation allows unprecedented data rates to be delivered to subscribers. The CM9200 is designed to enable deployment of multi-gigabit data services (up to 2.5Gbps max theoretical). Switchable US filter provides for flexible RF performance, reduced potential for interference 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.

Touchstone CM9200 DOCSIS 3.1 Cable Modem



DOCSIS 3.0 vs DOCSIS 3.1 Speeds



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) 100-120V, 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) | 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

| | |
|---------|---|
| 1001424 | CM9200A/NA-204; D3.1 CM, 5-85/204MHz US, 258-1218MHz DS, 1x 2.5G, Secure Boot , AC/DC Adapter (100-120VAC, 60Hz, NEMA1-15, 12V/1.5A) Included |
| 1001474 | CM9200A/NA-204; D3.1 CM, 5-85/204MHz US, 258-1218MHz DS, 1x 2.5G, DIAGNOSTIC , AC/DC Adapter (100-120VAC, 60Hz, NEMA1-15, 12V/1.5A) Included |
| 1001486 | CM9200A/NA-204; D3.1 CM, 5-85/204MHz US, 258-1218MHz DS, 1x 2.5G, Secure Boot , AC/DC Adapter (100-120VAC, 60Hz, NEMA1-15, 12V/1.5A) Included, Ships w/ external 5-1002MHz low-pass MoCA filter |

Publication Code and DCM Number

(rev MM-YYYY)

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