

Touchstone CM8200 Docsis3.1 Ultra Fast Cable Modem

FEATURES:

- 2x2 OFDM/ OFDMA DOCSIS[®] 3.1 channels and/or 32x8 SCQAM DOCSIS[®] 3.0
- Full Capture Bandwidth Tuner
- Multi Processor Technology with ARM based Application Processor
- 2 Gigabit Ethernet Ports
- Switchable upstream filters for 42 MHz or 85MHz operation with option for full 204MHz US support
- Switchable downstream filters for 85MHz or 108MHz with option for 258MHz and an upper edge of 1218MHz
- Multiple L2VPN BSoD support with OAM extensions
- Extensive OAM capabilities including Y.1731
- US and DS spectrum analyzer
- PNM based network monitoring and diagnosis

PRODUCT OVERVIEW:

CM8200 supporting DOCSIS 3.1 allows unprecedented data rates to be delivered to MSO customers. The CM8200 is designed to easily deploy Gigabit+ data services. Switchable US and DS filters are designed to produce superior RF performance while reducing interference in the home network and allowing the flexibility required for MSO to transition from DOCSIS3.0 to DOCSIS3.1. Increased DRAM and Flash allow new applications to be deployed on the modem. This feature-packed unit is intended to serve as the hub of the subscribers network, connecting all IP capable devices (Internet, Data, Voice and Video) throughout the customers premises.

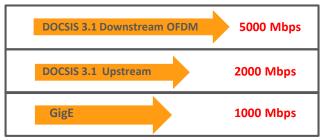
Residential high speed data support has always been a concern of the operator. The CM8200 distinguishes itself with capabilities to minimize these support needs. US and DS spectrum analysis along with proactive network management based diagnostics take the monitoring and diagnostic capabilities of the CM8200 to a premium level. OAM extensions to L2VPN allow for system level provisioning and diagnostics. Multiple provisioning methods (SNMP, Configuration File, Remote WebGUI access) allow custom designed setup to be applied to monitor the end user more efficiently. Multiple remote access levels (User, Cusadmin, and MSO) also allow more ease and flexibility for manual configuration and control.

The CM8200 will help lead the future to advanced home and small office services.





Interface Speeds



Specifications

Physical		RF Upstream	l	
Operating Temperature °C	0 to 50	Bonded Channels		Up to 8 SCQAM & 2 OFDMA
Operating Relative Humidity	5-85% (Non condensing)	Frequency Range (MHz)		5 MHz to 204 MHz
Storage Temperature °C	-40 to 70	Configurable Diplex Filter		42MHz-85MHz-204MHz
Dimensions (H x W x D) in.	10.1 x 10.3 x 3.25	Data Rate (Mbps Max.) RF Output Level (dBmV)		Over 2 Gbps +65 dBmV (64 QAM, single upstream) +57dBmv (64QAM, 4-8 upstreams) +65dBmV (16 QAM, single
Weight lbs	2.1			
Diagnostic LED's (Front)	Power, US/DS, Online,			
Diagnostic LED's (Rear)	Ethernet Link/Speed			
Interfaces				upstreams)
RF Interface	1 External 'F' type connector			
Data Interfaces (bridged)	2 x 10/100/1000 Base-T Ethernet (RJ-45 connector)	Ordering Information		
Home port		Model Description		
Input Voltage (nominal)	115VAC, 60 Hz			
RF Downstream		CM8200	DOCSIS3.1 Cable	e Modem
Bonded Channels	Up to 32 SCQAM and/or 2 OFDM			
Tuner Configuration Configurable Diplex Filter	Full capture tuning range 85MHz-108MHz-258MHz			
Frequency Range (MHz)	85MHz-1218MHz DOCSIS			
Data Rate (Mbps Max.)	Over 5 Gbps			
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS)			

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