



ARRIS CM8200

DOCSIS 3.1 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 42MHz or 85MHz with option for 204MHz US Support
- Switchable downstream filters for 85MHz 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 SPECIFICATIONS

PHYSICAL

Operating Temperature °C	0 to 40
Operating Relative Humidity	5-85% (Non-condensing)
Storage Temperature °C	-40 to 70
Dimensions (H x W x D) in.	5.19 x 1.73 x 5.19
Weight (lbs.)	2.1
Diagnostic LED's (Front)	Power, US/DS, Online
Diagnostic LED's (Rear)	Ethernet Link/Speed

INTERFACES

RF Interface	1 External 'F' type connector
Data Interfaces (bridged)	2 x 10/100/1000 Base-T Ethernet (RJ-45 connector)
Home Port	
Input Voltage (nominal)	+12V DC



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PRODUCT SPECIFICATIONS

RF DOWNSTREAM

Bonded Channels	Up to 32 SCQAM and/or 2 OFDM
Tuner Configuration	Full capture tuning range
Configurable Diplex Filter	85MHz-108MHz-258MHz
Frequency Range (MHz)	108MHz-1002MHz DOCSIS
Data Rate (Mbps Max.)	5 Gbps
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS)

RF UPSTREAM

Bonded Channels	Up to 8 SCQAM or 2 OFDMA
Frequency Range (MHz)	5MHz to 204MHz
Configurable Diplex Filter	42MHz-85MHz-204Mhz
Data Rate (Mbps Max.)	Over 1 Gbps
RF Output Level (dBmV)	+65 dBmv (64 QAM, single upstream) +57 dBmv (64 QAM, 4-8 upstreams) +65 dBmv (16 QAM, single upstream) +65 dBmv (OFDMA)