SURFboard™
High-Speed Cable Modems

ARRIS™

SB8200

DOCSIS 3.1 Ultra Fast Cable Modem

Energy Efficient Ethernet

FEATURES:

- Supports DOCSIS 3.1 and DOCSIS 3.0 technology
- 2x2 OFDM/ OFDMA DOCSIS® 3.1 channels and/or 32x8 SCQAM DOCSIS® 3.0
- Multi Processor Technology with ARM based Application Processor
- Dual Gigabit Ethernet Ports with Auto Negotiate and Auto MDIX
- Support for Link Aggregation to combine the dual Ethernet ports into a 2 GB input to connected clients that support the technology
- Switchable upstream filters for 42 MHz or 85MHz operation
- US and DS spectrum analyzer
- LEDs indicate DOCSIS 3.0 or DOCSIS 3.1 Operation
- Color coded Rear Panel for ease of installation
- ARRIS Consumer Support via Phone and Chat

PRODUCT OVERVIEW:

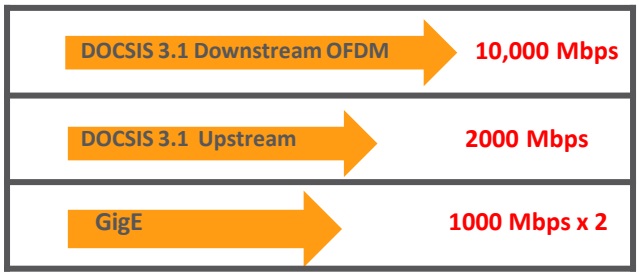
SB8200 supporting DOCSIS 3.1 allows unprecedented data rates to be delivered to Retail consumers. The SB8200 is designed to easily deploy Gigabit+ data services. Switchable US filters are designed to allow the ISP to configure the range needed to support the consumers level of service and allow provides the flexibility required for the Cable Operators to transition from DOCSIS 3.0 to DOCSIS 3.1. 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 subscriber's network, connecting all IP capable devices (Internet, Data, Voice and Video) throughout the customers premises.

Residential and Small Business High Speed Data Customers often opt to purchase and control their own network devices, avoiding Cable Operator modem lease fees. With the SB8200, consumers can leverage the newest technology and highest data rates offered by their Service Providers. The SB8200 is backward compatible to the highest DOCSIS 3.0 speeds possible, allowing a purchaser to ‘future proof’ their purchase with the best DOCSIS 3.0 speeds until the Service providers upgrade their network technology to offer DOCSIS 3.1 service.

The SB8200 will help lead the future to advanced home and small office services.

SB8200
DOCSIS3.1 Cable Modem

Interface Speeds



Specifications

Physical	
Operating Temperature ℃	0 to 50
Operating Relative Humidity	5-85% (Non condensing)
Storage Temperature ℃	-40 to 70
Dimensions (H x W x D) in.	5.24" x 5.24" x 1.65"
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)
Link Aggregation	2x Ethernet ports combined output for 2 GB input to clients
Input Voltage (nominal)	115VAC, 60 Hz
RF Downstream	
Bonded Channels	Up to 32 SCQAM or 2 OFDM
Tuner Configuration	Full capture tuning range
Frequency Range (MHz)	108MHz-1002 MHz DOCSIS
DOCSIS Data Rate (Mbps Max.)	Up to 10 Gbps
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS)

RF Upstream	
Bonded Channels	Up to 8 SCQAM or 2 OFDMA
Frequency Range (MHz) Configurable Diplex Filter	5 MHz to 85 MHz 42MHz-85MHz
Data Rate (Mbps Max.)	Over 2 Gbps
RF Output Level (dBmV)	+65 dBmV (64 QAM, single upstream) +57dBmv (64QAM, 4-8 upstreams) +65dBmV (16 QAM, single upstreams)
Compliance	
Certification	Compliant Class B Digital Device – Part 15 of the Federal Communications Commission (FCC), DOCSIS3.1
Environmental	RoHS, Energy Efficient Ethernet, CeC, Pb-Free, Compliant with SNE Voluntary Environmental Agreement

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For product support please visit
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