SURFboard®

ARRIS™

SBV3202

DOCSIS 3.0 Consumer Series Cable Modem with Telephony

FEATURES:

- 32 x 8 DOCSIS Channel Bonding for fast DOCSIS® 3.0 download speeds.
- Telephony support for Xfinity voice services
- Multiple 4k and HD video streams easily supported
- Multi Processor Technology with a 600 MHz Intel Atom® Core Application Processor
- Internal 32 bit Data architecture for maximum speeds
- Battery Backup Capable (sold separately)
    - Boot from battery function
    - Low power mode

PRODUCT OVERVIEW:

The SURFboard® DOCSIS® 3.0 32x8 Embedded Multimedia Terminal Adaptor (E-MTA) SBV3202 delivers two lines of primary line Voice over IP (VoIP), powerful enough to support up to 1.4 Gigabit per second download speeds, and multiple battery pack options to support telephony service during power outages. The SBV3202 enables both home and small businesses the speed and performance achievable with 16x4, 24x8, or 32x8 bonded channels, along with industry- leading ARRIS voice and battery back-up features. With the TM3202, a consumer can subscribe to the highest supported DOCSIS 3.0 speed tier.

SURFboard® SBV3202

Front panel status LEDs

ARRIS

Specifications

Physical

Operating Temperature °F (°C)	32 to 104 (0 to 40)
Operating Relative Humidity (Min-Max)	5-95% (non-condensing)
Storage Temperature °F (°C)	-40 to 158 (-40 to 70)
Dimensions (H x W x D) in. (cm)	7.1x1.8x7.1 (18.1x4.6x18.0)
Unit Weight in lbs (kg)	1.11 (0.50) without battery
Diagnostic LEDs	Power, US/DS, Online, Tel1, Tel2, Battery (TM3202G only)

Interfaces

RF Interface	External 75 ohm 'F' type connector
Data Interface	10/100/1000 Base-T Ethernet RJ-45
Telephony Interface	Two (2) RJ-11 jacks
Battery Interface	Custom male connector, rectangular, 2mm
Input Voltage (nominal)	115-120VAC, 60 Hz

Telephony

Supervisory Voltage	48 VDC nominal
Maximum Loop Length to CPE	1500 ft (457M) of 26 AWG (0.4 mm) wire
Ringing Load Capacity	10 REN total; 5 per line
Telcordia™ GR 1089 Tested	Yes

RF Downstream

Frequency Range (MHz)	108-1002 (edge-to-edge)
Bonded Channels	Up to 32
Tuner Configuration	Full capture tuning range
Modulation (QAM)	64 or 256
Data Rate* (Mbps, Theoretical)	Up to 1000 (limited by GigE interface)
RF Input Sensitivity Level (dBmV)	-15 to +15
MoCA® Immunity Filter	Yes

RF Upstream

Frequency Range (MHz)	5-42
Bonded Channels	Up to 8
Modulation	QPSK, 8QAM, 16QAM, 32QAM, 64QAM, 128QAM (S-CDMA only)
Modulation Bandwidth (KHz)	TDMA: 200, 400, 800, 1600, 3200, 6400 S-CDMA: 1600, 3200, 6400
Data Rate* (Mbps)	up to 240
Automatic Level Adjust	Yes
Frequency Stability (KHz)	±5
Output Impedance (Ohms)	75

Standards

DOCSIS 3.0 Certified	UL® 60950 / CB	RoHS / WEEE
PacketCable 2.0 Compliant	FCC Part 15 Class B / ICES-003	G.711, 64 kbps, µ-law and A-law encoded speech
IEEE 802.3, 802.3ab	Telcordia™ GR-1089 Lightning/Surge	Enhanced codecs: G.722, G.726, G.728, G.729E
ITU-T K.21	Telcordia™ GR-63 NEBS	T.38 Fax Relay

For information on additional SURFboard products, including McAfee Secure Home Internet please visit www.SURFboard.com

For product support please visit www.arris.com/consumers

Max raw DOCSIS rate; actual throughput is less due to overhead, configuration, and RF conditions. Max Rate may also be limited by service level.