SURFBOARD®

ARRIS

S34 – DOCSIS 3.1 Cable Modem

DOCSIS 3.1
Switchable Diplexer US 5-42MHz/5-85MHz; DS 108-1002MHz
1x 2.5Gbps Ethernet Port
1x 1Gbps Ethernet Ports
Next Generation Upload Speed Optimized

PRODUCT OVERVIEW

The SURFboard S34 will future-proof your home with the latest DOCSIS technology, supporting multi-gigabit Internet plans. Featuring support for Next Generation Upload Speed service Tiers with switchable low to mid support. The SURFboard S34 includes a 2.5 Gbps Ethernet port, and a 1 Gbps LAN port.

FEATURES

- DOCSIS 3.1 supporting multi-gig cable internet plans
- Switchable upstream filters to support Optimized upload speed service tiers
- 2x2 OFDM/OFDMA DOCSIS® 3.1 channels and/or 32x8 SCQAM DOCSIS® 3.0
- 2.5Gbps Ethernet port for Multi-Gig network connection
- 1Gbps port for wired client connection
- Multi Processor Technology with ARM-based application processor

PRODUCT HIGHLIGHTS

Next Generation DOCSIS 3.1 Modem – Future Proof your home

- Ready for next generation DOCSIS service plans from your Service Provider
- Multi Gig download and optimized upload speed tier certified
- Additional Wi-Fi router needed to connect your wireless client devices

Specifications			

Physical

Operating Temperature ℃	0 to 40		
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 in Lbs. (with packaging)	1.52 lbs.		
Diagnostic LEDs (Front)	Power, US/DS, Online		
Diagnostic LEDs (Rear)	Ethernet Link/Speed		

Interfaces

RF Interface	3 External "F" type connectors
Data Interfaces	1 x 10/100/1000 and 1 x 10/100/1000/2500 Base-T Ethernet (RJ-45 connector)
Input Voltage (nominal)	115 VAC, 60 Hz.

RF Downstream

Bonded Channels	Up to 32 SCQAM and 2 OFDM
Tuner Configuration	Full capture tuning range
Frequency Range (MHz)	108 MHz – 1002 MHz DOCSIS
DOCSIS Data Rate (Gbps Max.)	Up to 10 Gbps
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS)

RF Upstream

Bonded Channels	Up to 8 SCQAM and 2 OFDMA
Frequency Rand (MHz) (Configurable Diplex Filter)	5 MHz – 42 MHz or 5MHz – 85 MHz
Data Rate (Mbps Max.)	Up to 3.5 Gbps
RF Output Level (dBmV)	+65 dBmV (64 QAM, single upstream) +57 dBmV (64 QAM, -8 upstream) +65 dBmV (16 QAM, single upstream)

Compliance

Certification	Compliant Class B Digital De ice – Part 15 of the Federal Communications Commission (FCC) DOCSIS 3.1
Environmental	RoHS, Energy Efficient Ethernet, Pb-Free, Compliant with SNE Voluntary Environmental Agreement

For additional information visit
www.SURFboard.com

For product support visit
www.arris.com/selfhelp