

S33

DOCSIS 3.1 Ultra Fast Cable Modem



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
- One 2.5 Gb Ethernet port and one 1 Gb Ethernet port with Auto Negotiate and Auto MDIX
- Switchable upstream filters for 42 MHz or 85 MHz operation
- US and DS spectrum analyzer
- LEDs indicate DOCSIS 3.0 or DOCSIS 3.1 Operation
- ARRIS Consumer Support via Phone and Chat



PRODUCT OVERVIEW:

S33 supporting DOCSIS 3.1 allows unprecedented data rates to be delivered to Retail consumers. The S33 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 provides the flexibility required for the Cable Operators to transition from DOCSIS 3.0 to DOCSIS 3.1. 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 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 S33, consumers can leverage the newest technology and highest data rates offered by their Service Providers. The S33 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 S33 will help lead the future to advanced home and small office services.

Interface Speeds

DOCSIS 3.1 Downstream OFDM	10,000 Mbps
DOCSIS 3.1 Upstream	2000 Mbps
GigE	2500 Mbps x 1 + 1000 Mbps x 1

Specifications

Physical		RF Upstream	
Operating Temperature °C	0 to 40	Bonded Channels	Up to 8 SCQAM and 2 OFDMA
Operating Relative Humidity	5-85% (Non condensing)	Frequency Range (MHz)	5 MHz - 42 MHz or 5 MHz - 85 MHz
Storage Temperature °C	-40 to 70	Configurable Diplex Filter	
Dimensions (H x W x D) in.	5.24" x 5.24" x 1.65"	Data Rate (Mbps Max.)	Upto 3.5 Gbps
Weight in Lbs (with packaging)	1.52lbs	RF Output Level (dBmV)	+65 dBmV (64 QAM, single upstream) +57dBmv (64QAM, 4-8 upstreams) +65dBmV (16 QAM, single upstream)
Diagnostic LED's (Front)	Power, US/DS, Online	Compliance	
Diagnostic LED's (Rear)	Ethernet Link/Speed	Certification	Compliant Class B Digital Device – Part 15 of the Federal Communications Commission (FCC), DOCSIS 3.1
Interfaces		Environmental	RoHS, Energy Efficient Ethernet, Pb-Free, Compliant with SNE Voluntary Environmental Agreement
RF Interface	1 External 'F' type connector	RF Downstream	
Data Interfaces	1 x 10/100/1000 and 1 x 10/100/1000/2500 Base-T Ethernet (RJ-45 connector)	Bonded Channels	Up to 32 SCQAM and 2 OFDM
Input Voltage (nominal)	115VAC, 60 Hz	Tuner Configuration	Full capture tuning range
RF Downstream		Frequency Range (MHz)	108 MHz-1002 MHz DOCSIS
Bonded Channels	Up to 32 SCQAM and 2 OFDM	DOCSIS Data Rate (Gbps Max.)	Up to 10 Gbps
Tuner Configuration	Full capture tuning range	RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS)
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)		

For information on additional SURFboard products please visit www.SURFboard.com

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

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