



Energy Efficient

## **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
- 1.2 GHz Full Capture Bandwidth Tuner
- · 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, Email, and Chat





## **PRODUCT OVERVIEW:**

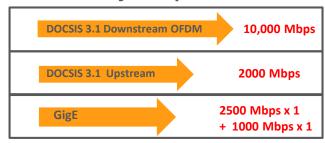
S33 supporting DOCSIS 3.1 allows unprecedented data rates to be delivered to Retail consumers. The S33 is designed to easily deploy Gigabit+ data services. Switchable US filters are designed to allow the ISP to configure the range needed to support the consumers' level of service and provides the flexibility 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**



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

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

Up to 10 Gbps

-15 to +15 (DOCSIS)

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

DOCSIS Data Rate (Gbps Max.)

RF Input Sensitivity Level (dBmV)

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