

## T25

# DOCSIS 3.1 Consumer Series Cable Modem with Telephony

## FEATURES

- 2x2 OFDM/OFDMA DOCSIS® 3.1 channels and/or 32x8 SCQAM DOCSIS® 3.0 channels
- Full Capture Bandwidth Tuner
- Multi Processor Technology (ARM and ATOM based Application Processor)
- 2 Port Gigabit Ethernet LAN
- 2 RJ-11 VoIP ports
- Support Xfinity Voice service using PacketCable™ 2.0 signaling methods
- Easy on line activation for Xfinity
- Supports Xfinity 1 Gigabit Service (backwards compatible to lower service tiers)

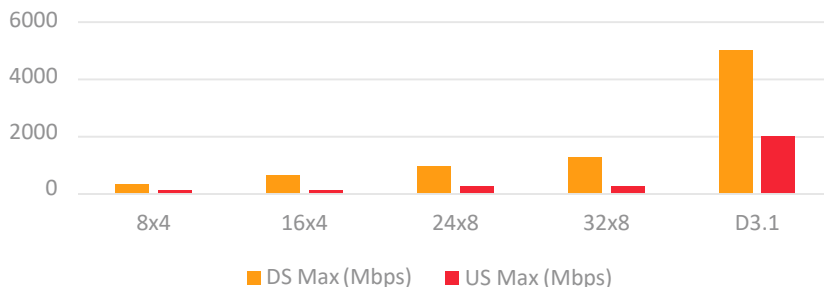


## PRODUCT OVERVIEW

The T25 DOCSIS 3.1 SURFboard model allows unprecedented data rates to be delivered to Xfinity Subscribers, along with two lines of VoIP service based on PacketCable™ specifications. The T25 is designed to enable deployment of Gigabit+ data services. Switchable US and DS filters provide superior RF performance, reduce the potential for interference in the home network, and allow the flexibility required technology transitions from DOCSIS 3.0 to DOCSIS 3.1. Increased memory allows new applications to be deployed on the modem. Overall, this feature-packed unit is intended to serve as the hub of a subscriber network, add a Wi-Fi Router and connect all IP-capable devices (Internet, Data, Voice and Video) throughout the customer premises.



### DOCSIS 3.0 vs DOCSIS 3.1 Speeds



### SPECIFICATIONS

#### Physical

Operating Temp (°C)	0 – 50
Operating Relative Humidity	5-85% (Non-Condensing)
Storage Temp (°C)	-40 to 70
Dimensions, HxWxD (in)	10.1 x 10.3 x 3.25
Weight (lbs) °C)	0.5
Diagnostic LEDs (Front)	Power, DS/US, Online, Tel1, Tel2, Battery
Diagnostic LEDs (Rear)	Ethernet Link/Speed

#### Interfaces

RF Interface	1 External 'F' Connector
Data Interfaces (Bridged)	2x 10/100/1000Base-T Ethernet RJ-45
Telephone Interfaces	2x VoIP RJ-11
Input Voltage (Nominal)	12VDC, 2.5A (adapter) 100-240V, 50/60Hz, 0.8A

#### Voice

Standards Supported	PC2.0
CODECs Supported	G.711, G.722, G.729
FAX	T.38
REN Capability	5 REN / Line, 10 RENTotal
Line Card Support	Flexible LC Templates

### SPECIFICATIONS

#### RF Downstream

Bonded Channels	Up to 32 SCQAM and/or 2 OFDM
Tuner Configuration	Full Capture Tuning Range
Frequency Range (MHz)	108 – 1002 (DOCSIS)
Data Rate (Gbps, Max)	10.0
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS)

#### RF Upstream

Bonded Channels	Up to 8 SCQAM and/or 2 OFDMA
Frequency Range (MHz)	5 – 85 MHz
Configurable Diplex Filter (MHz)	42 – 85 MHz
Data Rate (Gbps Max)	> 1.0
RF Output Level (dBmV)	+65 (64QAM, single US) +57 (64QAM, 4-8 US) +65 (16QAM, single US) +65 (OFDMA)

#### Backup Power Options

To provide power during Power Outage situations, Uninterruptable Power Systems can provide power for varying amounts of time with varying services active. Please visit [www.arris.com/consumers](http://www.arris.com/consumers) product for additional details.

For information on additional SURFboard products, please visit [www.SURFboard.com](http://www.SURFboard.com)

For product support please visit [www.arris.com/consumers](http://www.arris.com/consumers)

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