Touchstone® TG2492S Cable Voice Gateway

EuroDOCSIS® 3.0 Gateway with 802.11ac Wi-Fi

FEATURES

- 24x8 Channel Bonding
- 1Gbps Downstream support with internal Spectrum Analyzer
- EuroDOCSIS® 3.0 compliant design
- Dual Mode Scanning Support
- Full Capture Bandwidth Tuner
- Multi Processor Technology Processor
- 4 port Gigabit Ethernet Router
- 2x2 2.4GHz 802.11n
- 3x3 5GHz 802.11ac
- USB 2.0 Host Port
- Advanced Firmware support for IPV6, DS-Lite, and SoftGRE
- Two FXS lines of carrier-grade VoIP with HD voice support

PRODUCT OVERVIEW

Operators are wanting to push the limits on EuroDOCSIS 3.0 performance and the user experience delivered to the customer. The TG2492S with its superior 802.11ac Dual Band Wireless radios, Ethernet and USB interfaces can deliver this performance while also offering improvements in home coverage above that of other models. 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 gateway support has always been a concern of the operator. The TG2492S distinguishes itself with capabilities to minimize these support needs. Multiple provisioning methods (SNMP, Configuration File, Remote WebGUI access, TFTP, and TR-069/181) allow custom designed setups to be applied to monitor the end user more efficiently. Multiple remote access levels (User and MSO) also allow more ease and flexibility for manual configuration and control.

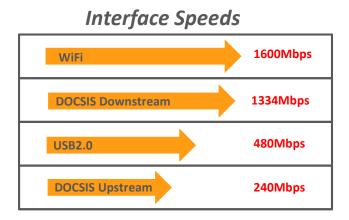The TG2492S will help lead the future to advanced home and small office services.

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ARRIS®

SPECIFICATIONS

Physical

Operating Temperature	0 to 40°C
Operating Relative Humidity	5-85% (Non condensing)
Storage Temperature	-40 to 70°C
Dimensions (H x W x D)	236 mm x 160 mm x 52 mm (excludes 'F' connector)
Weight	0.7kg
Diagnostic LEDs (Front)	Power, US/DS, Online, 2.4GHz, 5GHz, Tel1, Tel2, WPS
Diagnostic LEDs (Rear)	Ethernet Link/Speed
Front Switches	WiFi On/Off, WPS

Interfaces

RF Interface	External 'F' type connector
Data Interfaces (bridged)	4 x 10/100/1000 Base-T Ethernet (RJ-45 connector)
Analog Telephony Interface	2 lines; RJ-11
USB Interface	USB 2.0 Powered Host Port
Input Voltage (nominal)	12V DC
Input Current (max)	2.5 Amps

Telephony

Supervisory Voltage	48 Vdc nominal
Ringing Load Capacity	6 REN total; 3 per line
Provisionable High Loop Current Mode	Yes (40mA constant current source)
Codec Support	G.729, G.711, G.722

SPECIFICATIONS

RF Downstream

Bonded Channels	Up to 24
Tuner Configuration	Full capture tuning range
Frequency Range	108 MHz – 1002 MHz DOCSIS
Data Rate	> 1 Gbps (Max.)
RF Input Sensitivity Level	-15 dBmV to +15 dBmV (DOCSIS)

RF Upstream

Bonded Channels	Up to 8
Frequency Range	5MHz to 85MHz
Data Rate	Up to 240 Mbps (Max.)
RF Output Level	+57 dBmV (64 QAM, single upstream) +54dBmv (64QAM, 4-8 upstreams) +58dBmV (16 QAM, single upstream) +56 dBmV (SCDMA, single upstream)

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2 Lines Telephony

4 ports 10/100/1000

Power Switch

Interface Speeds

WiFi	1600Mbps
DOCSIS Downstream	1334Mbps
USB2.0	480Mbps
DOCSIS Upstream	240Mbps

SPECIFICATIONS

Wireless 2.4 GHz

Transmit Power (from any antenna)	+20dBm (802.11n MCS0, HT20) +15dBm (802.11n MCS7, HT20)
Spatial Streams	2
Receive Levels	<-85dBM 802.11n (MCS0,HT20) <-68dBm 802.11n (MCS7, HT20)
Antennas	2 transmit and 2 receive

Wireless 5 GHz

Transmit Power (from any antenna)	+21dBm (802.11ac MCS0,VT20) +18.5 dBm (802.11n MCS7,HT40)
Spatial Streams	3
Receive Levels	<-87dBM 802.11ac (MCS0,VT20) <-65dBm 802.11n (MCS7,HT40) <-54dBm (802.11ac, MCS9,VHT80)
Antennas	3 transmit, and 3 receive (per band)

ORDERING INFORMATION

Model	Description
1001126	TG2492S/CE-85,WIRELESS 2-LINE GATEWAY,EURODOCSIS 3.0,24X8, 802.11AC,85MHZ UPSTREAM,220VAC ADAPTER - PHASE2
1001190	TG2492S/UK-85,WIRELESS 2-LINE GATEWAY,EURODOCSIS 3.0,24X8, 802.11AC,85MHZ UPSTREAM,220VAC ADAPTER - PHASE2
1000242	Wall Mount Bracket, TG2492S/DG2470, BOX OF 40
804013	Euro Power Adapter 12VDC, 2.5A, 195-264VAC, 47-63Hz
722197	CEE7/16 Power Cord

CUSTOMER CARE

Contact Customer Care for product information and sales:

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