

TG2492S Wireless Gateway

FEATURES:

- 24x8 Channel Bonding
- 1Gbps Downstream support with internal Spectrum Analyzer
- DOCSIS[®] and EuroDOCSIS[®] 3.0 compliant design
- Dual Mode Scanning Support
- Full Capture Bandwidth Tuner
- Multi Processor Technology with a 1.2GHz Intel Atom Core Application Processor
- 4 port Gigabit Ethernet Router
- 2x2 2.4GHz 802.11n Radio
- 3x3 5GHz 802.11ac High Power Radio
- 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:

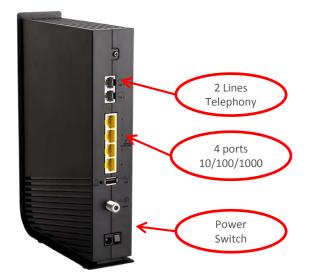
Operators are wanting to push the limits on DOCSIS 3.0 performance and the user experience delivered to the customer. The TG2492S with its superior 802.11ac Dual Band Wireless radios, Ethernet and USB interfaces can deliver this performance while also offering improvements in home coverage above that 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.

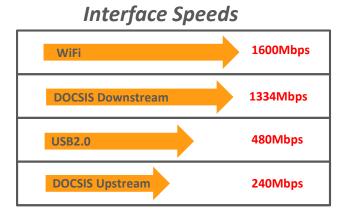
Residential gateway support has always been a concern of the operator. The TG2492S distinguishes itself with capabilities to minimize these support needs. Multiple provisioning methods (SNMP, Configuration File, Remote WebGUI access, TFTP, and TR-069/181) allow custom designed setups to be applied to monitor the end user more efficiently. Multiple remote access levels (User, Cusadmin, 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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Specifications

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Physical		RF Upstrea		
Operating Temperature °C	0 to 40	Bonded Channels		Up to 8, (Option for 4)
Operating Relative Humidity	5-85% (Non condensing)	Frequency Range (MHz)		5 to 42 or 5 to 85 depending on mode
Storage Temperature °C	-40 to 70	Data Rate (Mbps Max.)		up to 240
Dimensions (H x W x D) mm	236 x 160 x 52 (excludes "F" connector)	RF Output Level (dBmV)		+57 dBmV (64 QAM, single upstream) +54dBmv (64QAM, 4-8 upstreams)
Weight kgs.	.7			+58dBmV (16 QAM, single upstream)
Diagnostic LED's (Front)	Power, US/DS, Online, 2.4GHz, 5GHz, Tel1, Tel2, WPS	Wireless 2.4GHz		+56 dBmV (SCDMA, single upstream)
Diagnostic LED's (Rear)	Ethernet Link/Speed	Transmit Power (from any antenna)		+20dBm (802.11n MCS0, HT20)
Front Switches	WPS			+15dBm (802.11n MCS7, HT20)
Interfaces		Spatial Streams		2
RF Interface	External 'F' type connector	Receive Levels Antennas		<-85dBM 802.11n (MCS0,HT20)
Data Interfaces (bridged)	4 x 10/100/1000 Base-T Ethernet (RJ-			<-68dBm 802.11n (MCS7, HT20)
	45 connector)			2 transmit and 2 receive
Analog Telephony Interface	2 lines; RJ-11	Wireless 5GHz		
USB Interface	USB 2.0 Powered Host Port	Transmit Power (from any antenna)		+21dBm (802.11ac MCS0,VT20)
Input Voltage (nominal)	12VDC			+18.5 dBm (802.11n MCS7,HT40)
Input Current (max)	2.5Amps	Spatial Streams		3
Telephony		Receive Levels		<-87dBM 802.11ac (MCS0,VT20)
Supervisory Voltage	48 Vdc nominal	Antennas		<-65dBm 802.11n (MCS7,HT40)
Ringing Load Capacity	6 REN total; 3 per line			<-54dBm (802.11ac, MCS9,VHT80)
Provisionable High Loop	Yes (40mA constant current source)			3 transmit, and 3 receive (per band)
Current Mode		Note: WiFi Powers and channels may be limited by the country of operation.		
Codec Support	G.729, G.711, G.722	Ordering Information		
RF Downstream		Model	Description	
Bonded Channels	Up to 24, (Option for 16)	804007	TG2492S/CE, 65MHz Upstream, 220VAC Adapter, CEE7/16 cord	
Tuner Configuration	Full capture tuning range	804008	TG2492S/CE-85, 85MHz Upstream, 220VAC Adapter, CEE7/16	
Frequency Range (MHz)	108-1002		cord	
		804013 Euro Power Adapter 12V		VDC, 2.5A, 195-264VAC, 47-63Hz
Data Rate (Mbps Max.)	> 1 Gbps	722197	722197 CEE7/16 Power Cord	
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS))			

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Rev. 1/7/2016