TG2482

Wireless Gateway

FEATURES:

- 24x8 Channel Bonding.
- 1Gbps Downstream support with internal Spectrum Analyzer
- DOCSIS® 3.0 certified design
- Full Capture Bandwidth Tuner
- IPV6 Logo Certified
- Multi Processor Technology with a 1.2GHz Intel Atom Core Application Processor
- 4 port Gigabit Ethernet Router
- 3x3 2.4GHz 802.11n
- 4x4 5GHz 802.11ac Wave 2
- Mu-MiMO and Beamforming Support
- 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 TG2482 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 TG2482 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 TG2482 will help lead the future to advanced home and small office services.

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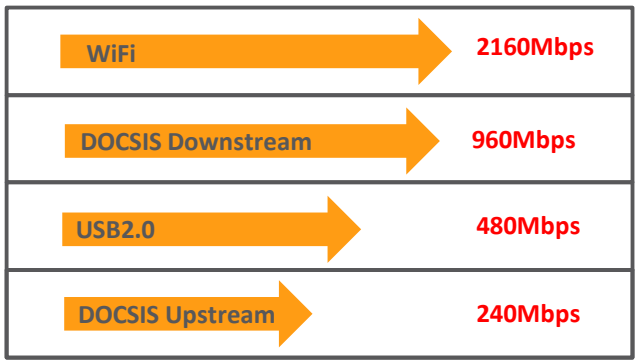
Interface Speeds



Specifications

Physical	
Operating Temperature ˚C	0 to 40
Operating Relative Humidity	5-85% (Non condensing)
Storage Temperature ˚C	-40 to 70
Dimensions (H x W x D) mm	236 x 160 x 52 (excludes "F" connector)
Weight kgs.	.7
Diagnostic LED's (Front)	Power, US/DS, Online, 2.4GHz, 5GHz, Tel1, Tel2, WPS
Diagnostic LED's (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)	12VDC
Input Current (max)	2.5Amps
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
RF Downstream	
Bonded Channels	Up to 24
Tuner Configuration	Full capture tuning range
Frequency Range (MHz)	108-1002
Data Rate (Mbps Max.)	> 960 Mbps
RF Input Sensitivity Level (dBmV)	-15 to +15 (DOCSIS))

RF Upstream	
Bonded Channels	Up to 8
Frequency Range (MHz)	5 to 42
Data Rate (Mbps Max.)	up to 240
RF Output Level (dBmV)	+57 dBmV (64 QAM, single upstream) +54dBmv (64QAM, 4-8 upstreams) +58dBmV (16 QAM, single upstream) +56 dBmV (SCDMA, single upstream)
Wireless 2.4GHz	
Transmit Power (EIRP)	+29dBm (802.11n MCS0, HT20) +25.5dBm (802.11n MCS7, HT20)
Spatial Streams	3
Receive Levels	<-85dBM 802.11n (MCS0,HT20) <-68dBm 802.11n (MCS7, HT20)
Antennas	3 transmit and 3 receive
Wireless 5GHz	
Transmit Power (from any antenna)	+30dBm (802.11ac MCS0,VT20) +25.5 dBm (802.11ac MCS9,HT80)
Spatial Streams	4
Receive Levels	<-87dBM 802.11ac (MCS0,VT20) <-65dBm 802.11n (MCS7,HT40) <-54dBm (802.11ac, MCS9,VHT80)
Antennas	4 transmit, and 4 receive (per band)

Ordering Information	
Model	**Description**
TBD	TG2482A/AL, 42MHz Upstream, US Power Adapter and Cord,