

TG2482 Wireless Gateway

FEATURES:

- 24x8 Channel Bonding.
- 1Gbps Downstream support with internal Spectrum Analyze
- 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
- ARRIS HomeAssure™ Enabled

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.

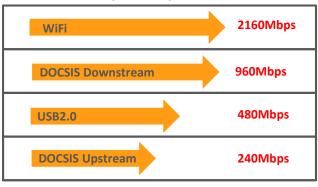
The TG2482 will help lead the future to advanced home and small office services.







Interface Speeds



Specifications

RF Upstream

Physical		
Operating Temperature °C	0 to 40	
Operating Relative Humidity	5-85% (Non condensing) -40 to 70 236 x 160 x 52 (excludes "F" connector .7	
Storage Temperature °C		
Dimensions (H x W x D) mm		
Weight kgs.		
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))	

Bonded Channels Frequency Range (MHz) Data Rate (Mbps Max.) RF Output Level (dBmV)	Up to 8 5 to 42 up to 240 +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)	+21.5 dBm (802.11n MCS0, HT20) +21.5 dBm (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 (EIRP)	+23.5 dBm (802.11ac MCS0,VT20) +23.5 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

Ordering Information		
Model	Description	l
1000448	TG2482A/NA,D3.0,802.11AC,DBC,1-USB/4-ENET,100-240VAC,42MHZ	

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