ARRIS®

Touchstone® TG2482 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
- 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™ Compatible

PRODUCT OVERVIEW

Operators are wanting to push the limits on EuroDOCSIS 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 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.

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)mm	236 x 193 x 63 (excluding F-connector)
Weight	0.7 Kg
Diagnostic LED's (Front)	Power, US/DS, Online, 2.4GHz, 5GHz, Tel1, Tel2, WPS
Diagnostic LED's (Rear)	Ethernet Link/Speed

Voice

Standards Supported	PacketCable™ Network-based call signaling protocol (PKT-SP-EC-MGCP) RFC 3261 SIP RFC 2805 MGCP
Codecs Supported	G.711, G.722, G.729
FAX	T.38, G.711 Fax Passthrough
REN Capability	3 REN / Line, 6 REN Total
Voice supplementary services	Call Waiting Call Hold 3PTY Call Caller ID Voice Activity Detection (VAD) Comfort Noise Generation (CNG) Echo cancellation: G.165 G.168 up to 16 ms
DTMF tone relay	RFC 2833
Pulse dialing	DTMF/pulse tones
RTP layer	RFC 1889 RFC 1890
Line Card Support	Flexible LC Templates

SPECIFICATIONS – CONTINUED

Interfaces

RF Interface	1 External 'F' type connector
Date Interfaces (bridged)	4 x 10/100/1000 Base-T Ethernet (RJ-45 connector)
Analog Telephony Interface	2 lines; RJ-11
Input Voltage (nominal)	12V DC
AC-DC	External (220V-240V)
USB	1 Host port 2.0
WPS Button	1

RF Downstream

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

RF Upstream

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

Wireless

Frequency Range	2.4GHz and 5GHz
Transmit Power EIRP	+25.1dBm (MCS0, 2.4GHz, HT20) +23.1dBm (MCS7, 2.4GHz, HT20) +27.3dBm (MCS0, 5GHz, VHT20) +23.8dBm (MCS9, 5GHz, VHT80)
Spatial Streams	3 for 2.4GHz, 4 for 5GHz
Receive Levels	87dBm 802.11n (MCS0, 2.4GHz HT20) 54dBm 802.11ac (MCS9, 5GHz, VHT80)
Antennas	7 transmit, and 7 receive (total)

CUSTOMER CARE

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
- International: +1-678-473-5656

SPECIFICATIONS - CONTINUED

Network & Services

Network Protocols	Dual stack IP (IPv4, IPv6) TCP, UDP ARP, ICMP, DHCP TFTP, SNMP, HTTP(s), Telnet
Parental Control	URL-based website filtering Time-based access control
Routing modes	Transparent bridging Routed mode
Wireless QoS	WMM (BE, BK, VI, VO access categories) queuing and scheduling

SPECIFICATIONS - CONTINUED

Management

SNMP	SNMP v1, SNMP v2, SNMP v3
Web-based user interface management and administration	User-friendly GUI via HTTP Command Line Interface (CLI)
CPE WAN Management Protocol (CWMP)	TR-069 TR-98 TR-181

Security

Docsis security	Baseline Privacy Interface Plus (BPI+)
SW security	Stateful Packet Inspection Firewall (SPIF) Customizable firewall security levels Intrusion detection and prevention DeMilitarized Zone (DMZ) Multilevel access policy

ORDERING INFORMATION

Model	Description
1001327	TG2482B/CE-85,EURO,D3.0,802.11AC,DBC,1-USB/4-ENET,220-240VAC,85MHZ,PHASE 2,CE CORD
1001326	TG2482B/UK-85,D3.0,802.11AC,DBC,1-USB/4-ENET,220-240VAC,85MHZ, UK CORD

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