

Touchstone[®] TG3442 Cable Voice Gateway

DOCSIS[®] 3.1 Gateway with 802.11ac Wi-Fi

FEATURES

- 2x2 OFDM and OFDMA DOCSIS[®] 3.1 channels
- 32x8 SCQAM EuroDOCSIS[®] 3.0 channels
- Full Capture Bandwidth Tuner
- Multi Processor Technology for enhanced application support
- Switchable up/downstream filters for 85MHz or 204MHz operation.
- 4x4 Integrated Dual Band Concurrent 5GHz 802.11ac Wave2 Wi-Fi
- ARRIS HomeAssure[™] Enabled
- Multiple operator controlled configuration options



PRODUCT OVERVIEW

The TG3442 Telephony Wireless Gateway supporting DOCSIS 3.1 allows multi-gigabit data rates to be delivered to cable service provider's home and small business customers. The TG3442 with its 4x4 802.11ac Dual Band radios, offers superior Wi-Fi performance enabling reliable Ultra HD video over Wi-Fi.

The switchable diplexer is designed to produce superior RF performance and ease of deployment on a DOCSIS 3.1 network. High capacity DRAM, Flash and Multiple embedded processor cores are designed to allow new applications to be deployed on the gateway. This feature-packed unit is intended to serve as the hub of the subscriber's network, connecting all IP capable devices (Internet, Data, Voice and Video) throughout the customers premises.

To minimize support OPEX costs the TG3442 provides features for remote management and diagnostics. 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.

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)	282mm x 75mm x 205mm
Weight	0.95Kg
Diagnostic LED's (Front)	Integrated LED for status of Phone, Internet, WPS, Wi-Fi and Power

Diagnostic LED's (Rear)	Ethernet Link/Speed
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RF Downstream

Bonded Channels	Up to 32 SCQAM and/or 2 OFDM
Tuner Configuration	Full capture tuning range
Frequency Range	108-254MHz-1218MHz DOCSIS
Data Rate	Up to 5Gbps
RF Input Sensitivity Level	-15dBmV to +15dBmV (DOCSIS)

RF Upstream

Bonded Channels	Up to 8 SCQAM and/or 2 OFDMA
Frequency Range	5MHz to 204MHz
Configurable Diplex Filter	42MHz-204MHz
Data Rate	Up to 1Gbps
RF Output Level	+65 dBmV (64QAM, single US) +57 dBmV (64QAM, 4-8 US) +65 dBmV (16QAM, single US) +65 dBmV (OFDMA)

SPECIFICATIONS - CONTINUED

Voice

Standards Supported	PC2.0/1.5/1.0, SIP
Codecs Supported	G.711, G.722, G.729
FAX	T.38
REN Capability	5 REN / Line, 10 REN Total
Line Card Support	Flexible LC Templates

Interfaces

RF Interface	1 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
Input Voltage (nominal)	12V DC
AC-DC	External
USB	1

Wireless

Frequency Range	2.4GHz and 5GHz
Transmit Power (from any antenna)	+29dBm (MCS7, 2.4GHz) +28 dBm (MCS7, 5GHz, HT20) +26 dBm (MCS9, 5GHz, VHT40)
Spatial Streams	3 for 2.4GHz, 4 for 5GHz
Receive Levels	2.4GHz <-88dBm 802.11n (MCS0) , <-71dBm 802.11n (MCS7), HT20 5.0GHz <-89dBm 802.11ac (MCS0) , <-60dBm 802.11ac (MCS9), VHT80
Antennas	7 transmit, and 7 receive (total)

ORDERING INFORMATION

Model	Description
1000754	TG3442S/CE,D3.1,EXT EURO WALL ADAPT, 802.11AC DBC,4-ENET,USB,OFF/ON DC SWITCH,GENERIC

CUSTOMER CARE

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