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

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 Diflex 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

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
- 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 < -85dBm 802.11n (MC50), < -71dBm 802.11n (MC57), HT20
  5.0GHz < -89dBm 802.11ac (MC50), < -60dBm 802.11ac (MC59), VHT80
- Antennas: 7 transmit, and 7 receive (total)

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>1000754</td>
<td>TG3442S/CE,D3.1,EXT EURO WALL ADAPT, 802.11AC DBC,4-ENET,USB,OFF/ON DC SWITCH,Generic</td>
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</tbody>
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CUSTOMER CARE

Contact Customer Care for product information and sales:
- United States: 866-36-ARRIS
- International: +1-678-473-5656

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