

# TG2482 | Touchstone® TG2482 Cable Voice Gateway



## 24x8 DOCSIS® 3.0 Cable Voice Gateway with dual-band 802.11ac Wi-Fi

- 24x8 Channel Bonding
- 1Gbps Downstream support with internal Spectrum Analyzer
- DOCSIS® 3.0 compliant design
- Full Capture Bandwidth Tuner
- Multi Processor Technology with a 1.2GHz Application Processor
- 4 port Gigabit Ethernet Router
- 3x3 2.4GHz 802.11n
- 4x4 5GHz 802.11ac Wave 2
- MU-MIMO and Beamforming Support
- HomeAssure Managed Wi-Fi capable for whole-home Wi-Fi coverage and performance

The TG2482 is a high-performance, high-quality home gateway for the delivery of high-speed broadband, VoIP telephony, and whole-home Wi-Fi. 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 customer's premises. Featuring 24x8 DOCSIS 3.0 channel bonding and the superior performance of 4x4 802.11ac Dual-Band Wi-Fi, Ethernet, and USB interfaces.

The TG2482 is designed to minimize support costs with multiple provisioning and remote management methods (SNMP, Configuration File, Remote WebGUI access, TFTP, and TR-069/181). Multiple remote access levels (User, Technician, and MSO) also allow more ease and flexibility for manual configuration and control.

The TG2482 is capable of being part of a [HomeAssure®](#) Managed Wi-Fi solution. When used with [Wi-Fi extenders](#), HomeAssure® delivers optimized, high-performance Wi-Fi to every corner of the home, while offering ease of use for the consumer and reduced OpEx costs for the service provider.

## Product Classification

<b>Regional Availability</b>	EMEA   Latin America
<b>Product Type</b>	Cable voice gateway

## General Specifications

<b>Access Technology</b>	DOCSIS 3.0   EuroDOCSIS 3.0
<b>Channel Bonding</b>	Up to 24x8 SC-QAM
<b>Ethernet Ports</b>	4 x GigE
<b>Interfaces</b>	2 lines, RJ14 ("Line 1/2"), RJ11 ("Line 2")   4x RJ45 (10/100/1000 Base-T)   'F' type connector
<b>RF Downstream Frequency Range</b>	108-1002 MHz
<b>RF Downstream Bonded Channels, quantity</b>	Up to 24
<b>RF Downstream Input Sensitivity Level</b>	-15 dBmV to 15 dBmV
<b>RF Downstream Data Rate</b>	Up to 960 Mb/s
<b>RF Upstream Frequency Range</b>	5-85 MHz

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<b>RF Upstream Bonded Channels, quantity</b>	Up to 8
<b>RF Upstream Output Level</b>	54 dBmV (64 QAM, 4-8 upstreams)   56 dBmV (SCDMA, single upstream)   57 dBmV (64 QAM, single upstream)   58 dBmV (16 QAM, single upstream)
<b>RF Upstream Data Rate</b>	Up to 240 Mb/s
<b>USB</b>	USB 2.0
<b>Voice</b>	Yes
<b>Voice Ports, quantity</b>	2
<b>Wi-Fi Interface Standard</b>	IEEE 802.11a/b/g/n/ac Wave2
<b>Wi-Fi Band</b>	2.4 GHz   5 GHz
<b>Wi-Fi Interface Standard at 2.4 GHz</b>	3x3, 802.11n
<b>Wi-Fi Interface Standard at 5 GHz</b>	4x4, 802.11ac

## Dimensions

<b>Height</b>	233.68 mm   9.2 in
<b>Width</b>	149.86 mm   5.9 in
<b>Length</b>	63.5 mm   2.5 in

## Electrical Specifications

<b>Input Voltage</b>	12 Vdc
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## Environmental Specifications

<b>Operating Temperature</b>	0 °C to +40 °C (+32 °F to +104 °F)
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## Packaging and Weights

<b>Weight, net</b>	1.089 kg   2.4 lb
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