

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

Regional Availability	EMEA Latin America
Product Type	Cable voice gateway

General Specifications

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

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

Dimensions

Height	233.68 mm 9.2 in
Width	149.86 mm 5.9 in
Length	63.5 mm 2.5 in

Electrical Specifications

Input Voltage	12 Vdc
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Environmental Specifications

Operating Temperature	0 °C to +40 °C (+32 °F to +104 °F)
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Packaging and Weights

Weight, net	1.089 kg 2.4 lb
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