

TG2482 | Touchstone® TG2482 Cable Voice Gateway

Base Product



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

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RF Upstream Frequency Range	5-85 MHz
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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