

TG1652 | Touchstone® TG1652 Cable Voice Gateway

Base Product



16x4 DOCSIS® 3.0 Cable Voice Gateway with 802.11ac Wi-Fi

- Allows custom designed setups to be applied to monitor the end user more efficiently with multiple provisioning methods (SNMP, configuration file, remote web GUI access, TFTP, and TR-069)
- Flexibility of configuration and control with multiple local and remote access levels (user, admin, etc.)
- Firmware features support DLNA/File Sharing, Guest SSID, SoftGre Hotspot
- Battery model meets new FCC Requirements for 8 hour hold up time

The Touchstone TG1652 is an economical DOCSIS® or EuroDOCSIS® 3.0 home telephony gateway supporting 16 x 4 channel bonding for up to 640Mbps of broadband data. It combines two FXS ports of carrier-grade VoIP, a 4-port gigabit router and a dual band 802.11ac wireless access point with optional battery back-up into a single integrated device.

The TG1652 serves as the hub of service delivery in the subscriber's home; providing high-speed data, voice and IP video to wired and wireless connected devices.

Product Classification

Regional Availability

EMEA | Latin America | North America

Product Type

Cable voice gateway

General Specifications

Access Technology

DOCSIS 3.0 | EuroDOCSIS 3.0

Channel Bonding

Up to 16x4 SC-QAM

Ethernet Ports

4 x GigE

Interfaces

2x RJ11 | 4x RJ45 (10/100/1000 Base-T) | 'F' type connector

RF Downstream Frequency Range

108-1002 MHz

RF Downstream Bonded Channels, quantity

Up to 16

RF Downstream Input Sensitivity Level

-15 dBmV to +15 dBmV (DOCSIS) | -17 dBmV to +15 dBmV (EuroDOCSIS)

RF Downstream Data Rate

Up to 640 Mb/s

RF Upstream Frequency Range

5-42 MHz | 5-85 MHz

RF Upstream Bonded Channels, quantity

Up to 4

RF Upstream Output Level

54 dBmV (64 QAM, 4 upstreams) | 57 dBmV (64 QAM, single upstream) | 58 dBmV (16 QAM, single upstream)

RF Upstream Data Rate

Up to 120 Mb/s

USB

USB 2.0

Voice

Yes

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Voice Ports, quantity	2
Wi-Fi Interface Standard	IEEE 802.11a/b/g/n/ac
Wi-Fi Band	2.4 GHz 5 GHz
Wi-Fi Interface Standard at 2.4 GHz	2x2, 802.11n
Wi-Fi Interface Standard at 5 GHz	2x2, 802.11ac

Dimensions

Height	233.68 mm 9.2 in
Width	187.96 mm 7.4 in
Length	55.88 mm 2.2 in

Electrical Specifications

Input Voltage	115–230 Vac
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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	0.68 kg 1.5 lb
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