TG3452 | Touchstone® TG3452 Cable Voice Gateway

DOCSIS® 3.1 Cable Voice Gateway with 802.11ac Wi-Fi & MoCA®2.0

- Supports RDK-B based router stack
- 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.)
- Support for full 8 hours or 24 hours standby support with the same base unit

The Touchstone TG3452 is a DOCSIS 3.1 home telephony gateway supporting 2x192 MHz OFDM in the downstream and 2x96MHz OFDMA in the upstream along with 32x8 channel bonding for up to 2.5 Gbps of broadband data. It combines two FXS ports of carrier-grade VoIP, a 4-port gigabit router and a dual band 802.11n and 802.11ac Wave2 wireless access point with battery back-up into a single integrated device.

The TG3452 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. The device is optimized for providing Gigabit data services over DOCSIS 3.1 WAN.

Product Classification

Regional Availability	Latin America | North America
Product Type	Cable voice gateway

General Specifications

Access Technology	DOCSIS 3.1
Channel Bonding	2x2 OFDM/A | Up to 32x8 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
MoCA	MoCA 2.0
RF Downstream Frequency Range	108-1002 MHz
RF Downstream Bonded Channels, quantity	Up to 32 SCQAM or 2 OFDM
RF Downstream Input Sensitivity Level	-15 dBmV to 15 dBmV
RF Downstream Data Rate	Up to 5 Gb/s
RF Upstream Frequency Range	5-42 MHz or 5-85 MHz (switchable)
RF Upstream Bonded Channels, quantity	Up to 8 SCQAM or 2 OFDMA
RF Upstream Output Level	57 dBmV (64 QAM, 4-8 upstreams) | 65 dBmV (16 QAM, single upstream) | 65 dBmV (64 QAM, single upstream)
RF Upstream Data Rate	Up to 1 Gb/s

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USB	USB 3.1
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	281.94 mm	11.1 in
Width	74.93 mm	2.95 in
Length	204.978 mm	8.07 in

Electrical Specifications

Input Voltage	12 Vdc

Environmental Specifications

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

Packaging and Weights

Weight, net	0.953 kg	2.1 lb

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