TG3442SP | Touchstone® TG3442SP Cable Voice Gateway

DOCSIS® 3.1 Gateway with Wi-Fi 5, switchable diplexer

- 2x2 OFDM and OFDMA DOCSIS® 3.1 channels
- 32x8 SCQAM EuroDOCSIS ® 3.0 channels
- Full Capture Bandwidth Tuner
- Switchable diplexer 5-85 MHz or 5-204 MHz
- 4 port Gigabit Ethernet Router
- 3x3 2.4GHz 802.11n
- 4x4 5GHz 802.11ac Wave 2
- Support USB 3.0 Host Port
- 2 FXS Ports of carrier grade VoIP with HD voice
- Multi Processor Technology for enhanced application support
- Advanced Firmware support for IPV6, DS-Lite, and SoftGRE
- RDK-B Based

The TG3442SP Cable Voice Gateway supporting DOCSIS 3.1 allows multi-gigabit data rates to be delivered to cable service provider's home and small business customers. The TG3442SP with its 4x4 802.11ac Dual Band radios, offers high-quality Wi-Fi performance enabling reliable Ultra HD video over Wi-Fi.

An upstream frequency range up to 204MHz for increased upstream capacity to support video conferencing and other symmetrical bandwidth applications with a switchable diplexer for ease of deployment on DOCSIS 3.1 networks.

High-capacity DRAM, Flash and Multiple embedded processor cores are designed to allow new applications to be deployed on the gateway. 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 customers premises.

To minimize support OPEX costs the TG3442SP provides features for remote management and diagnostics. Multiple provisioning methods (SNMP, Configuration File, Remote WebGUI access, TFTP, and TR-069/181) allow custom designed setups to be applied to monitor the end user more efficiently. Multiple remote access levels (User and MSO) also allow more ease and flexibility for manual configuration and control.

Product Classification

Regional Availability	EMEA
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
RF Downstream Frequency Range	108-1218 MHz
RF Downstream Input Sensitivity Level	-15 dBmV to 15 dBmV

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RF Downstream Data Rate	Up to 5 Gb/s
RF Upstream Frequency Range	5-204 MHz | 5-85 MHz
RF Upstream Bonded Channels, quantity	Up to 32 SCQAM and/or 2 OFDM
RF Upstream Output Level	57 dBmV (64 QAM, 4-8 upstreams) | 65 dBmV (16 QAM, single upstream) | 65 dBmV (64 QAM, single upstream) | 65 dBmV (OFDMA)
RF Upstream Data Rate	Up to 1 Gb/s
Software	DHCP | Dual Stack IPv4/IPv6 Home Router | L2TP | NAT | PacketCable 1.5 | PacketCable 2.0 | RDK-B | Static and Dynamic IP | VLANs and RIP
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	246.38 mm | 9.7 in
Width	185.42 mm | 7.3 in
Depth	63.5 mm | 2.5 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	0.785 kg | 1.73 lb

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