TG9452 | Touchstone® TG9452 Cable Voice Gateway

DOCSIS® 3.1 Cable Voice Gateway with Wi-Fi 6

- 2x2 OFDM and OFDMA DOCSIS® 3.1 channels
- 32x8 SCQAM DOCSIS® 3.0 channels
- Dual Band Concurrent 4x4:4 5GHz 802.11ax radios
- 1 nBase-T 2.5Gbps Ethernet port
- 2 port Gigabit Ethernet Router
- Switchable upstream filters for 42MHz or 85MHz operation
- Full Capture Bandwidth Tuner
- MoCA® 2.0 (with channel bonding) for in Home Video and Data distribution over Coax
- Multiple SSID support with DFS channels and Dynamic Channel change
- Multiple operator controlled configuration options

Product Classification

Regional Availability	North America

General Specifications

Access Technology	DOCSIS 3.1
Channel Bonding	Up to 32x8 SC-QAM, 2x2 OFDM/A
Diagnostic LEDs	Ethernet Link/Speed LEDs | Integrated LED for status of Internet, WPS, Wi-Fi and Power
Ethernet Ports	2 x GigE, 1 x 2.5 GbE
Interfaces	1 x 10/100/1000/2500 Base-T Ethernet (RJ45 connector) | 2 lines; RJ11 | 2 x 10/100/1000 Base-T Ethernet (RJ45 connector) | 'F' type connector
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	Switchable 5–42 MHz or 5–85 MHz
RF Upstream Bonded Channels, quantity	Up to 8 SCQAM or 2 OFDMA
RF Upstream Output Level	54 dBmV (64 QAM, 4-8 upstreams) | 57 dBmV (64 QAM, single upstream) | 58 dBmV (16 QAM, single upstream) | 65 dBmV (OFDMA)
RF Upstream Data Rate	Up to 1 Gb/s
Type	Gateway
Voice	Yes
Voice Ports, quantity	2

COMMSCOPE®

Wi-Fi Interface Standard	IEEE 802.11ax
Wi-Fi Band	2.4 GHz	5 GHz
Wi-Fi Interface Standard at 2.4 GHz	4x4, 802.11ax
Wi-Fi Interface Standard at 5 GHz	4x4, 802.11ax

Dimensions

Height	281.94 mm	11.1 in
Width	74.93 mm	2.95 in
Length	204.978 mm	8.07 in

Electrical Specifications

Voltage, dc	12 V

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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