DG9450 | Touchstone® DG9450 Cable Gateway

DOCSIS® 3.1 Cable 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

The DG9450 Wireless Gateway delivers the gigabit broadband performance of DOCSIS 3.1. This feature-packed unit is intended to serve as the hub of the subscriber's home or business network, connecting all IP capable devices (Internet, Data and Video) throughout the customer's premises.

The DG9450, with its 4x4 802.11ax Dual Band wireless radios, offers superior Wi-Fi performance in dense environments, with high data rates for video over Wi-Fi at increased range. Built-in advanced features to manage the power of Wi-Fi clients offers longer time on battery operation.

The switchable US diplex filter is designed to produce superior RF performance and ease of deployment on a DOCSIS 3.1 network. Optimized DRAM, Flash and Multiple embedded processor cores are designed to allow new applications to be deployed on the gateway.

The DG9450 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 and MSO) also allow more ease and flexibility for manual configuration and control.

Product Classification

Regional Availability	North America
Product Type	Cable gateway

General Specifications

Access Technology	DOCSIS 3.1
Channel Bonding	2x2 OFDM/A	Up to 32x8 SC-QAM
Diagnostic LEDs	Internet	Link/Activity	Power	WPS	Wi-Fi
Ethernet Ports	1 x 2.5 GigE	2 x GigE
Interfaces	1x RJ45 (10/100/1000/2500 nBase-T)	2x RJ45 (10/100/1000 Base-T)	'F' type connector
RF Downstream Frequency Range	108-1002 MHz
RF Downstream Bonded Channels, quantity	Up to 32 SCQAM or 2 OFDM

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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	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
Voice	No
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

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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