

# 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

|                              |               |
|------------------------------|---------------|
| <b>Regional Availability</b> | North America |
| <b>Product Type</b>          | Cable gateway |

## General Specifications

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

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|  |   |
|--|---|
| <b>RF Downstream Input Sensitivity Level</b> | -15 dBmV to 15 dBmV   |
| <b>RF Downstream Data Rate</b>               | Up to 5 Gb/s  |
| <b>RF Upstream Frequency Range</b>           | 5-42 MHz or 5-85 MHz (switchable)   |
| <b>RF Upstream Bonded Channels, quantity</b> | Up to 8 SCQAM or 2 OFDMA  |
| <b>RF Upstream Output Level</b>              | 54 dBmV (64 QAM, 4-8 upstreams)   57 dBmV (64 QAM, single upstream)   58 dBmV (16 QAM, single upstream)   65 dBmV (OFDMA) |
| <b>RF Upstream Data Rate</b>                 | Up to 1 Gb/s  |
| <b>Voice</b>                                 | No  |
| <b>Wi-Fi Interface Standard</b>              | IEEE 802.11ax   |
| <b>Wi-Fi Band</b>                            | 2.4 GHz   5 GHz   |
| <b>Wi-Fi Interface Standard at 2.4 GHz</b>   | 4x4, 802.11ax   |
| <b>Wi-Fi Interface Standard at 5 GHz</b>     | 4x4, 802.11ax   |

## Dimensions

|               |                      |
|---------------|----------------------|
| <b>Height</b> | 281.94 mm   11.1 in  |
| <b>Width</b>  | 74.93 mm   2.95 in   |
| <b>Length</b> | 204.978 mm   8.07 in |

## Electrical Specifications

|                      |        |
|----------------------|--------|
| <b>Input Voltage</b> | 12 Vdc |
|----------------------|--------|

## Environmental Specifications

|                              |                                    |
|------------------------------|------------------------------------|
| <b>Operating Temperature</b> | 0 °C to +40 °C (+32 °F to +104 °F) |
|------------------------------|------------------------------------|

## Packaging and Weights

|                    |                   |
|--------------------|-------------------|
| <b>Weight, net</b> | 0.953 kg   2.1 lb |
|--------------------|-------------------|