



DOCSIS 3.0 Cable Gateway with Wi-Fi 6 and Voice



CGNV5-U

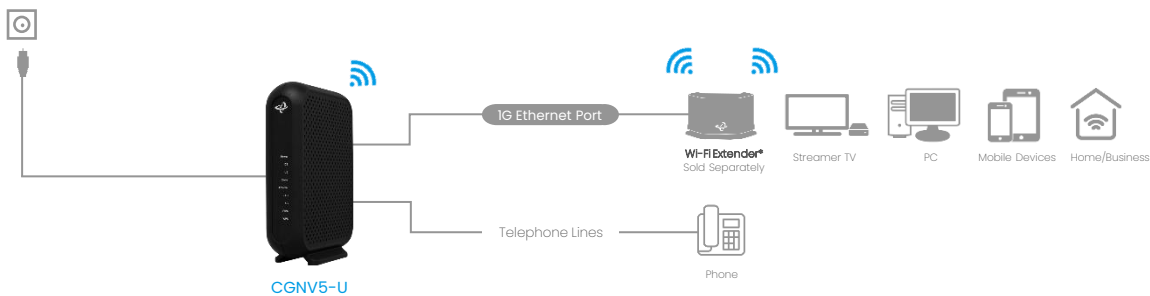
CGNV5-U has the capacity to receive 960Mbps over its DOCSIS 3.0 interface with 24 bonded channels. The integrated 2.4G 2x2 with 802.11ax + 5GHz 2x2 with 802.11ax dual band MU-MIMO access point significantly improves customer experience extending range and coverage with blazing speeds up to Giga speed.

 DOCSIS 3.0 Delivers 8x faster speeds than DOCSIS 2.0	 GigE GigE Ethernet Port	 HD Voice HD Voice Port
 Wi-Fi 6 High-performance Wi-Fi networking	 Plume OpenSync® certified	Advanced feature

Key Features

- DOCSIS 3.0 compliant
- OpenSync® certified, Plume available
- Wi-Fi Access Point with 2.4G 2x2 with 802.11ax + 5GHz 2x2 with 802.11ax dual band MU-MIMO internal antennas 16 SSIDs
- Extensive operator control via configuration file and SNMP
- Well-defined LEDs clearly display device and network status
- TR-069 for easy setup and remote management
- Enhanced management and stability for low total cost of ownership
- 2x FXS for telephony using SIP

Application



Specifications

CGNV5-U

Reception-Demodulation

- Demodulation: 64QAM, 256QAM
- Data Rate: Up to 960Mbps/13G with 24 bonded downstream channels (DOCSIS/EuroDOCSIS)
- Frequency (edge-to-edge): 108 - 1002 MHz
- Channel Bandwidth: 6 MHz/8MHz (DOCSIS, DOCSIS-J/EuroDOCSIS)
- Signal Level: -15 dBmV to 15 dBmV

Transmitter-Modulation

- Modulation: QPSK, 8QAM, 16QAM, 32QAM, 64QAM, and 128QAM (SCDMA only)
- Data rate up to 240 Mbps with 8 upstream channel bonding
- Frequency: 5 - 85 MHz

Wi-Fi

- 2T2R 2.4GHz (2412MHz-2462MHz) 11ax+2T2R 5GHz(5180MHz-5240MHz) 11ax dual band with 574Mbps+ 2402Mbps PHY data rate
- 20/40/80/160 MHz channel bandwidth
- Up to 8 SSIDs for each frequency
- Security: WEP-64/WEP-128, WPA-PSK/WPA2-PSK (TKIP/AES), WPA3-PSK
- QoS: WMM/WMM-PS
- WPS (Wi-Fi Protected Setup) PBC, PIN

Routing Support

- MAC address filtering (IPv4/IPv6)
- IP source/destination address filtering (IPv4/IPv6)
- DHCP, TFTP and ToD clients (IPv4/IPv6)
- DHCP server supports RFC 1541 (IPv4)
- DHCPv6 obtains prefix from DHCPv6 server through prefix delegation
- Firewall with stateful inspection (IPv4/IPv6)
- Hacker Intrusion prevention and detection
- Application content filtering (IPv4/IPv6)
- VPN Termination and pass through (IPv4/IPv6)
- Complete NAT software implemented as per RFC 1631 with port and address mapping (IPv4)

Protocol Support

- DOCSIS 3.0/2.0/1.1 with EuroDOCSIS compliant
- PacketCable 1.5
- SNMP v1, v2C, v3
- IGMP
- TR-069/181
- SIP & MGCP

Management

- Plume app management
- Web-based GUI control configuration and management
- Easy-to-read LEDs clearly display network status and activity
- Power on self diagnostic
- Hitron proprietary MIBs for extended support on:
 - DOCSIS/EuroDOCSIS
 - Router Management
 - Wi-Fi Management

Interfaces

- RF F-type female 75Ω connector
- 4x RJ-45 Ethernet port 10/100/1000 Mbps
- 2x FXS RJ-11 telephony port
- USB 2.0 type A connector with host interface

Mechanical

- 9 status LEDs (Power, DS, US, Status, Ethernet, 2.4G, 5G, Voice, WPS)
- Factory reset button
- Dimensions: 213.2mm (W) x 243mm (H) x 70mm (D)(including stand and RF connector)
- Weight: 570g ± 30g

Environmental

- Power: 12 VDC, 2.5A
- Power Consumption: 11W (standby), 16W (operation)
- Operating Temperature: 0°C (32°F) ~ 40°C (104°F)
- Operating Humidity: 10% ~ 90% (Non-condensing)
- Storage Temperature: -40°C (-40°F) ~ 70°C (158°F)
- Surge Protection: RF input sustains at least 4.5KV, Ethernet RJ-45 sustains at least 4KV

Regulatory Compliance

- RoHS Compliant
- FCC
- UL
- CE



Specifications subject to change without further notice. Product photo may differ.
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