hitron

DOCSIS 3.0
Cable Gateway
## with Wi-Fi 5 and Voice

CGNV5-MAX

CGNV5-MAX has the capacity to receive 960Mbps over its DOCSIS 3.0 interface with twenty-four bonded channels. The integrated 2x2 802.11n + 3x3 802.11ac dual band 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

1GigE

Two Gigabit Ethernet Ports

One HD Voice Port

High-performance Wi-Fi networking

Enhanced smart home experience with HitronCloud support

Advanced feature
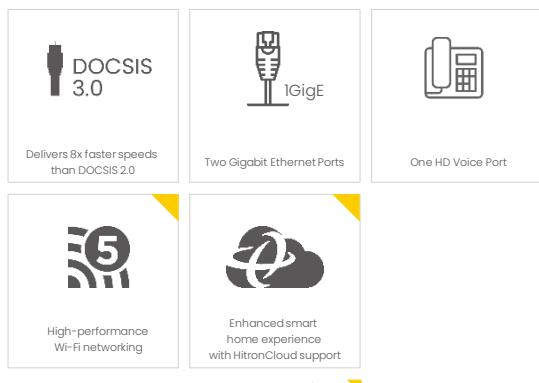
Key Features

- DOCSIS 3.0 compliant
- Wi-Fi Access Point with 2x2 802.11n + 3x3 802.11ac dual band MIMO internal antennas
- 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
- 1x FXS for telephony using SIP
- Optional HitronCloud home network management support

Application

hitron cloud

1G Ethernet Port

Wi-Fi Extender*
Sold Separately

Streamer TV

PC

Mobile Devices

Home/Business

CGNV5-MAX

Telephone Lines

Phone
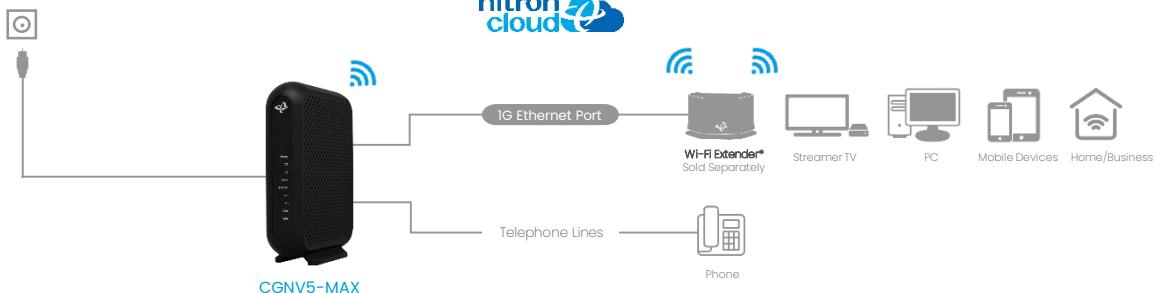
Specifications

Reception-Demodulation

- Demodulation: 64QAM, 256QAM
- Data Rate: Up to 960Mbps with 24 bonded downstream channels
- Frequency (edge-to-edge): 108 ~ 1002 MHz
- Channel Bandwidth: 6 MHz (DOCSIS, DOCSIS-J)
- 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

- 2x2 802.11n + 3x3 802.11ac
- 2T2R 2.4GHz (2412MHz~2462MHz) 11n+3T3R 5GHz(5180MHz~5240MHz) 11ac dual band with 300Mbps+ 1299Mbps PHY data rate
- 20/40/80 MHz channel bandwidth
- Up to 8 SSIDs for each frequency
- Security: WEP-64/WEP-128, WPA-PSK/WPA2-PSK (TKIP/AES)
- 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
- PacketCable 1.5
- SNMP v1, v2C, v3
- IGMP
- TR-069/ 181
- SIP & MGCP

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
  - Router Management
  - Wi-Fi Management

Interfaces

- RF F-type female 75Ω connector
- 2x RJ-45 Ethernet port 10/100/1000 Mbps
- 1x FXS RJ-11 telephony port
- USB 3.0 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

Labels: 55mm, 170mm, 243mm, USB, WPS, TEL, LAN, CABLE, POWER
Power, DS, US, Status, Ethernet, 2.4G, 5G, Voice, WPS

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