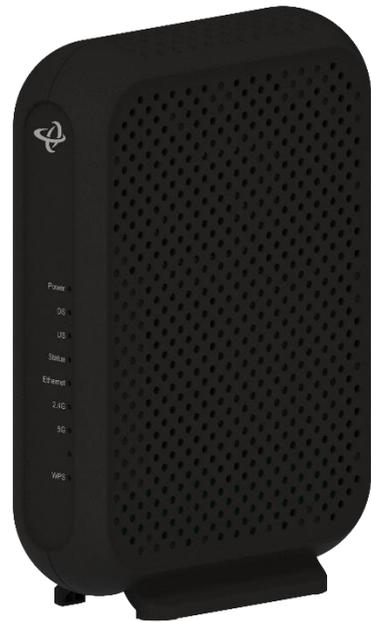




DOCSIS 3.0 Cable Gateway with Wi-Fi 5

CGN5-AP



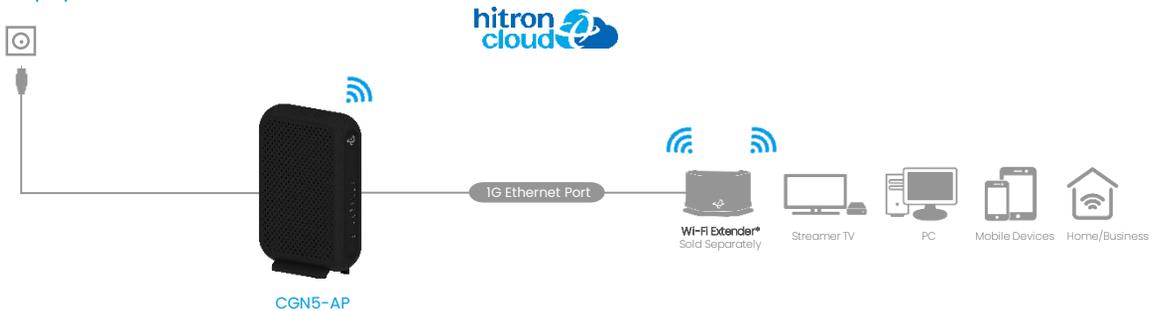
CGN5-AP has the capacity to receive 1.2Gbps over its DOCSIS 3.0 interface with 32 bonded channels. The integrated 3x3 802.11n+4x4 802.11ac dual band MIMO access point significantly improves customer experience extending range and coverage with blazing speeds up to Giga speed.

 DOCSIS 3.0 Delivers 8x faster speeds than DOCSIS 2.0	 1GigE Four Gigabit Ethernet Ports	 Enhanced smart home experience with HitronCloud support
 High-performance Wi-Fi networking Advanced feature		

Key Features

- DOCSIS 3.0 compliant
- Wi-Fi Access Point with 3x3 802.11n+4x4 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

Application



Specifications

CGN5-AP

Reception-Demodulation

- Demodulation: 64QAM, 256QAM
- Data Rate: Up to 12Gbps with 32 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

- 3x3 802.11n+ 4x4 802.11ac
- 3T3R 2.4GHz 11n+4T4R 5GHz 11ac dual band with 450Mbps+ 1733Mbps 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)
- 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
- SNMP v1, v2C, v3
- IGMP
- TR-069/ 181

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
- 4x RJ-45 Ethernet port 10/100/1000 Mbps

Mechanical

- 8 status LEDs (Power, DS, US, Status, Ethernet, 2.4G Wi-Fi, 5G Wi-Fi, WPS)
- Factory reset button
- Dimensions: 170mm (W) x 243mm (H) x 55mm (D) (including stand and RF connector)
- Weight: 665g ± 30g

Environmental

- Power: 12 VDC, 2A
- 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 4KV, Ethernet RJ-45 sustains at least 4KV

Regulatory Compliance

- RoHS
- NCC



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