DOCSIS 3.0 eMTA WIFI GATEWAY

Intel® Puma™ 5 8x4 w/ 802.11n 2x2 wireless eMTA

DOCSIS 3.0

802.11n 2x2 2.4 GHz

Multiple SSIDs - 8 SSIDs

SNMP+TR-69

IPv6 routing

1 voice port with either SIP or MGCP support

ALWAYS-ON, HIGH-PERFORMANCE INTERNET AND VOICE CONNECTION

The CGNV2 delivers speeds of up to 400 Mbps over its DOCSIS interface. The integrated 802.11n 2x2 MIMO Access Point significantly improves customer experience extending range and coverage. For wired clients, the 2 fast Ethernet ports offer fast connections.
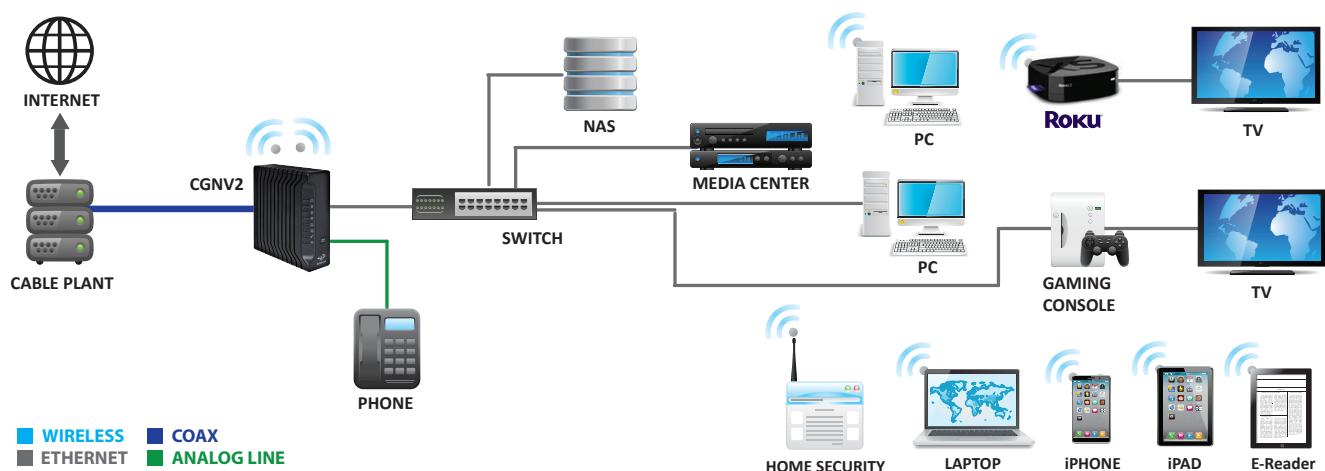
IPV4/IPV6 DUAL STACK SUPPORT

The CGNV2 supports full IPv4 routing features, as well as, full support for IPv6 routing and firewall. The CGNV2 supports DSLite for different IPv6 deployment and transition strategies.

SECURE WIRELESS NETWORKING

The CGNV2 supports pre-configured and pre-enabled WiFi security via WiFi Protected Setup (WPS), allowing the end-user to rapidly set up a secure wireless network without manual configuration.

KEY FEATURES

- DOCSIS 3.0 compliant
- PacketCable 1.5 compliant
- Supports SIP or MGCP, using standard MTA configuration file
- 2 fast Ethernet ports
- 1 RJ-11 telephony port

- 802.11n 2.4GHz Wi-Fi Access Point with 2T2R MIMO
  - ▸ Supports 8 SSIDs
  - ▸ Individual configuration for each SSID (security, bridging, routing, firewall and Wi-Fi parameters)

- Browser-based configuration and management (for end-user parameters)
- Extensive operator control via configuration file and SNMP
- IPv6 routing and firewall support
- TR-069 support

INTERNET

CGNV2

CABLE PLANT

PHONE

NAS

SWITCH

MEDIA CENTER

PC

PC

Roku

GAMING CONSOLE

TV

TV

HOME SECURITY

LAPTOP

iPHONE

iPAD

E-Reader

WIRELESS	**COAX**
ETHERNET	**ANALOG LINE**

HIGH-PERFORMANCE INTERNET ACCESS AND WIRELESS

Protocol Support
• DOCSIS 1.1/2.0/3.0
• PacketCable 1.5
• SNMP v1, v2C, v3
• IGMP
• TR-69
• SIP & MGCP

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

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

Reception-Demodulation
• Demodulation: 64QAM, 256QAM
• Data Rate: Up to 400 Mbps with 8 bonded downstream channels
• Frequency (edge-to-edge): 88 ~ 1002 MHz
• Channel Bandwidth: 6 MHz
• Signal Level: -15 ~ +15 dBmV

Transmitter-Modulation
• Modulation: QPSK, 8QAM, 16QAM, 32QAM, 64QAM, and 128QAM (SCDMA only)
• Data rate: up to 120 Mbps with 4 upstream channel bonding
• Frequency: 5 ~ 42 MHz

Compliance Certificates
• FCC
• RoHS Compliant

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)
• DSLite support for IPv4 in-home support with IPv6 MSO backbone
• RIPv2 for Static IP support

Wireless
• 802.11b/g/n
• 2T2R 2.4GHz (2412MHz~2462MHz)
• 20/40 MHz channel bandwidth
• Up to 8 SSIDs for each frequency
• Security: WEP-64/WEP-128, WPA-PSK/WPA2-PSK (TKIP/AES), WAPI
• QoS: WMM/WMM-PS
• WPS (Wi-Fi Protected Setup) PBC, PIN
• Output range: 18dBm

Mechanical
• 8 status LEDs (Power, DS, US, Status, LAN1, LAN2, Line, and Wi-Fi)
• Factory reset button
• WPS button
• Dimensions: 170mm (W) x 200mm (H) x 51mm (D)
• Weight: 550g ± 10g

Environmental
• Power: 12VDC 2A
• Power Consumption: 9W (standby),16W (operation)
• Operating Temperature: 0°C (32°F) ~ 40°C (104°F)
• Operating Humidity: 10% ~ 90% (Non- condensing)
• Storage Temperature: -40°C (-4°F) ~ 70°C (158°F)
• Surge Protection: RF input sustains at least 4KV, Ethernet RJ-45 sustains at least 4KV