

FEATURES

- DOCSIS/EuroDOCSIS3.0 compliant and DOCSIS3.0 certified
- Two USB 2.0 host, supporting Network Attached Storage (NAS) functionality
- Integrated DLNA Media Server with support for video, audio and image serving
- 802.11n Wi-Fi Access Point with 3x3 dual band MIMO internal antennas
 - Supports 32 SSIDs
 - Individual configuration for each SSID (security, bridging, routing, rewall and Wi-Fi parameters)
- Extensive operator control via configuration file and SNMP
- Well-defined LEDs clearly display device and network status
- TR-69 and HNAP for easy setup and remote management
- Enhanced management and stability for low total cost of ownership

PRODUCT SPECIFICATIONS

PROTOCOL SUPPORT

- DOCSIS/EuroDOCSIS 1.1/2.0/3.0
- SNMP v1, v2C, v3
- IGMP
- TR-69
- HNAP

CONNECTIVITY

- RF F-type female 75 connector
- 4x RJ-45 Ethernet port 10/100/1000 Mbps
- 2xUSB 2.0 Type A connector with Host interface

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



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

COMPLIANCE CERTIFICATES

- FCC
- RoHS Compliant
- UL



HITRON CGN3

DOCSIS 3.0 WIFI GATEWAY

PRODUCT SPECIFICATIONS

WIRELESS

- 802.11b/g/n
- 3T3R 2.4GHz +5GHz dual band with 450Mbps+450Mbps PHY data rate
- 20/40 MHz channel bandwidth
- up to 16 SSIDs per frequency
- Security: WEP-64/WEP-128, WPA-PSK/WPA2-PSK (TKIP/AES), WAPI
- QoS: WMM/WMM-PS

MECHANICAL

- 7 status LEDs (DS, US, Status, LAN, Wi-Fi 2.4GHz, Wi-Fi 5GHz, USB)
- WPS button
- Factory default reset button
- Dimensions: 7.87 x 6.69 x 2.0 in.
- Weight: 1.21 ± 0.02 lbs.

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 (-40°F) ~ 70°C (158°F)
- Surge Protection: RF input sustains at least 1KV, Ethernet RJ-45 sustains at least 1KV

RECEPTION-MODULATION

- Demodulation: 64QAM, 256QAM
- Data Rate: Up to 960 Mbps with 24 bonded downstream channels (EuroDOCSIS)
- Frequency (edge-to-edge): 88 ~ 1002 MHz
- Channel Bandwidth:
 - 6 MHz (DOCSIS, DOCSIS-J)
 - 8 MHz (EuroDOCSIS)
 - 6/8 MHz (Dual Mode)
- Signal Level: -15 dBmV to 17 dBmV

ROUTER FUNCTION

- 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
- 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
- 6RD support for quick IPv6 deployment over IPv4 backbone
- RIPv2 for Static IP support