

CDE-30364

DOCSIS 3.0 WIFI GATEWAY

Intel® Puma™ 5 8x4

DOCSIS/EuroDOCSIS 3.0

8 downstream x 4 upstream channel bonding

802.11n 2x2

Multiple SSIDs

IPv6 routing



ALWAYS-ON, HIGH-PERFORMANCE INTERNET CONNECTION

The Hitron CDE-30364 delivers speeds of up to 400Mbps (8x4) with eight bonded downstream channels over its DOCSIS interface. The integrated four-port Gigabit Ethernet switch and Wi-Fi 802.11n Access Point enable easy home networking.

IPV4/IPV6 DUAL STACK SUPPORT

The CDE-30364 supports the full IPv4 routing features as well as full support for IPv6 routing and firewall. The CDE-30364 supports both DSLite as well as 6RD for different IPv6 deployment and transition strategies.

SIMPLY SECURE WIRELESS NETWORKING

The CDE-30364 supports pre-configured and pre-enabled Wi-Fi security via Wi-Fi Protected Setup (WPS), allowing the end-user to rapidly set up a secure wireless network without manual configuration.

KEY FEATURES

- DOCSIS/EuroDOCSIS3.0 compliant and EuroDOCSIS3.0 certified
- Integrated DLNA Media Server with support for video, audio and images
- One USB 2.0 host, supporting Network Attached Storage (NAS) functionality
- 802.11n Wi-Fi Access Point with 2x2 internal antennas
 - ▶ Supports 8 SSIDs
 - ▶ Individual configuration for each SSID (security, bridging, routing, firewall and Wi-Fi parameters)
- Extensive operator control via configuration file and SNMP
- Well-defined LEDs clearly display device and network status



PRODUCT SPECIFICATIONS

Protocol Support

- DOCSIS/EuroDOCSIS 1.1/2.0/3.0
- SNMP v1, v2C, v3
- IGMP
- DLNA and UPnP

Connectivity

- RF F-type female 75Ω connector
- 4x RJ-45 Ethernet port 10/100/1000 Mbps
- 1x USB 2.0 Type A connector with Host interface

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 and WiFi Management

Reception-Demodulation

- Demodulation: 64QAM, 256QAM
- Data Rate: Up to 400Mbps Mbps with 8 bonded downstream channels (EuroDOCSIS)
- Frequency (edge-to-edge):
 - ▶ 88 ~ 1002 MHz (DOCSIS)
 - ▶ 108 ~ 1002 MHz (EuroDOCSIS)
- Channel Bandwidth: 6 MHz (DOCSIS, DOCSIS-J), 8 MHz (EuroDOCSIS), 6/8 MHz (Dual Mode)
- Signal Level: -15 dBmV to 17 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 (DOCSIS); 5 ~ 65 MHz (EuroDOCSIS) 5 ~ 85 MHz (optional)

Compliance Certificates

- CE Mark
- RoHS Compliant
- ECW 42 Certified

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 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
- 6RD support for quick IPv6 deployment over IPv4 backbone

Wireless

- 802.11b/g/n
- 2T2R 2.4 GHz with 300Mbps PHY data rate
- 20/40 MHz channel bandwidth
- Up to 8 SSIDs
- Security: WEP-64/WEP-128, WPA-PSK/WPA2-PSK (TKIP/AES), WAPI
- QoS: WMM/WMM-PS
- WPS (Wi-Fi Protected Setup) PBC, PIN

Mechanical

- 9 status LEDs (Power, DS, US, Status, Ethernet 1/2/3/4, WiFi)
- Factory reset button
- Dimensions: 227mm (W) x 52mm (H) x 208mm (D)
- Weight: 660g ± 10g

Environmental

- Power: Input 100 ~ 120 VAC 50/60Hz, Output 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