

CVE-31235

DOCSIS 2.0 eMTA WIFI GATEWAY

Intel® Puma™ 5 w/802.11n 2x2 wireless

DOCSIS/EuroDOCSIS 2.0

802.11n 2x2 2.4 GHz

Multiple SSIDs - 8 SSIDs

2 voice ports with either SIP or MGCP support



ALWAYS-ON, HIGH-PERFORMANCE INTERNET AND VOICE CONNECTION

The CVE-31235 delivers speeds of up to 43 Mbps/ 55 Mbps over its DOCSIS/ EuroDOCSIS interface. The integrated one Ethernet port, two RJ-11 phone ports and WiFi 802.11n Access Point enable easy home data and voice networking.

HIGH THROUGHPUT, POWER-EFFICIENT WIRELESS MULTIMEDIA

The CVE-31235's IEEE 802.11n WiFi Multimedia (WMM) capacity enables audio, video and voice applications to run smoothly over the wireless network with high priority. Its UAPSD power saving features significantly reduce its resource requirements.

SIMPLY SECURE WIRELESS NETWORKING

The CVE-31235 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/EuroDOCSIS 2.0 compliant
- PacketCable/EuroPacketCable 1.5 compliant
- Supports SIP or MGCP, using standard MTA configuration file
- 1 fast Ethernet ports
- 2 RJ-11 telephony ports
- 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



PRODUCT SPECIFICATIONS

Protocol Support

- DOCSIS/EuroDOCSIS 1.1/2.0
- PacketCable/EuroDOCSIS 1.5
- SNMP v1, v2C, v3
- IGMP
- SIP & MGCP

Connectivity

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

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
 - ▶ EMTA
 - ▶ Router Management
 - ▶ Wi-Fi Management

Reception-Demodulation

- Demodulation: 64QAM, 256QAM
- Data Rate: Maximum speed:
 - ▶ DOCSIS: 38Mbps (64QAM) / 43Mbps (256QAM)
 - ▶ EuroDOCSIS: 41Mbps (64QAM) / 55Mbps (256QAM)
- Frequency (edge-to-edge):
 - ▶ 88 ~ 1002 MHz (DOCSIS)
 - ▶ 108 ~ 1002 MHz (EuroDOCSIS)
- Channel Bandwidth:
 - ▶ 6 MHz (DOCSIS)
 - ▶ 8 MHz (EuroDOCSIS)
 - ▶ 6/8 MHz (Dual Mode)
- Signal Level: 17 dBmV

Transmitter-Modulation

- Modulation: QPSK, 8QAM, 16QAM, 32QAM, 64QAM, and 128QAM (SCDMA only)
- Data rate: Up to 30 Mbps
- Frequency:
 - ▶ 5 ~ 42 MHz (DOCSIS)
 - ▶ 5 ~ 65 MHz (EuroDOCSIS)

Router Function

- Web base interface for configuration and management
- MAC address filtering based on source addresses in the frame
- IP filtering based on source and destination addresses in the packet
- DHCP, TFTP, and ToD clients, provide device auto configuration
- DHCP server support (RFC 1541) for internal network IP addresses
- Firewall with Stateful packet inspection technology
- Application content filtering with ability to restrict access to web applications
- Application content filtering (IPv4/IPv6)
- Prevention of Hacker Attacks such as MIME flood, Octopus, Teardrop, Opentear, Twinge, Smurf, Overdrop, Jolt, Tentacle, etc
- VPN pass-through
- Complete NAT software implemented as per RFC 1631 with port and address mapping

Wireless

- 802.11b/g/n
- 2T2R 2.4GHz
- 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

Mechanical

- 12 status LEDs (Power, DS, US, Status, Ethernet 1/2/3/4, USB, WLAN, Line 1/2)
- Factory reset button
- Dimensions: 175mm (H) x 86mm (W) x 160mm (D)
- Weight: 380g ± 10g

Environmental

- Power:
 - ▶ Input 100 – 240 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 (-4°F) ~ 80°C (140°F)