

CVA-30360

DOCSIS 3.0 eMTA CABLE GATEWAY

Intel® Puma™ 5 8x4

DOCSIS/EuroDOCSIS 3.0

PacketCable/EuroPacketCable 1.5

8 downstream x 4 upstream channel bonding

2 voice ports with SIP support



ALWAYS-ON, HIGH-PERFORMANCE INTERNET AND VOICE CONNECTION

The Hitron CVA-30360 is the perfect choice for cable operators who want to offer bundled voice and high-speed broadband services to their customer base economically. It delivers speeds of up to 400Mbps (8x4) with eight bonded downstream channels over its EuroDOCSIS interface.

FULL DUAL STACK IPV4 / IPV6 SUPPORT

The CVA-30360 has four provisioning modes: IPv4 Only, IPv6 Only, Alternate Provisioning Mode (APM) and Dual-stack Provisioning Mode (DPM).

KEY FEATURES

- DOCSIS/EuroDOCSIS 3.0 compliant
- PacketCable/EuroPacketCable 1.5 compliant
- Supports SIP, using standard MTA configuration file
- Browser-based configuration and management (for end-user 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
- PacketCable/EuroPacketCable 1.5
- SNMP v1, v2C, v3
- IGMP
- SIP or MGCP 1.0

Connectivity

- RF F-type female 75Ω connector
- 1x RJ-45 Ethernet ports 10/100/1000 Mbps
- 2x FXS RJ-11 telephony ports
- USB 2.0 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
 - ▶ eMTA
 - ▶ SIP

Telephony

- Caller ID in either DTMF or FSK
- T.38 Fax Relay RTP / UDP
- Simultaneous Telephony on two independent RJ11 ports
- G.165/G.168 Echo cancellation up to 16ms
- Codecs: G.711, G.723.1, G.729A/E, G.722

Reception-Demodulation

- Demodulation: 64QAM, 256QAM
- Data Rate:
 - ▶ Up to 320 Mbps with 8 bonded downstream channels (DOCSIS)
 - ▶ Up to 400 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)

Mechanical

- 7 status LEDs (Power, DS, US, Status, Ethernet, Line 1/2)
- Factory reset button
- Dimensions: 196mm (H) x 49mm (W) x 173mm (D)
- Weight: 390g ± 10g

Environmental

- Power:
 - ▶ Input 100 – 240 VAC 50/60Hz
 - ▶ Output 12VDC, 1.5A
- Power Consumption: 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 3KV, Ethernet RJ-45 sustains at least 6KV

Compliance Certificates

- FCC, UL
- CE Mark
- RoHS Compliant