

CDA-30360

DOCSIS 3.0 CABLE MODEM

Intel® Puma™ 5 8x4

DOCSIS/EuroDOCSIS 3.0

8 downstream x 4 upstream channel bonding

Full capture bandwidth tuner

Supports IPv4 and IPv6



ALWAYS-ON, HIGH-PERFORMANCE INTERNET CONNECTION

The Hitron CDA-30360 is the perfect choice for cable operators who want to offer high-speed broadband access to their customer base economically. It delivers speeds of up to 400Mbps (8x4) with eight bonded downstream channels over its EuroDOCSIS interface - eight times faster than a conventional single-channel DOCSIS 2.0 cable modem! The integrated Gigabit Ethernet port enables easy home networking.

RAPID, SIMPLE DEPLOYMENT, MONITORING AND MANAGEMENT

Installation of the CDA-3060 is quick, straight-forward, and can even be carried out by the end-user. Once connected, the built-in TFTP client automatically gets the IP address and configuration data from the network server without human intervention. A browser-based utility allows convenient viewing of key network statistics, and SNMP support provides total remote control over the device.

FULL DUAL STACK IPV4 / IPV6 SUPPORT

The CDA-30360 has four provisioning modes: IPv4 Only, IPv6 Only, Alternate Provisioning Mode (APM) and Dual-stack Provisioning Mode (DPM). The new CDA-30360 boasts the sleek, attractive new design concept Hitron has created for its new product series.

KEY FEATURES

- DOCSIS/EuroDOCSIS 3.0 compliant
- Well-defined LEDs clearly display device and network status
- Full-featured, high bandwidth, compact economical cable modem
- Extensive operator control via configuration file and SNMP
- 8x4 channel bonding
- CableLabs CW80 certified



PRODUCT SPECIFICATIONS

Protocol Support

- DOCSIS/EuroDOCSIS 1.1/2.0/3.0
- SNMP v1, v2C, v3

Connectivity

- RF F-type female 75Ω connector
- 1 x RJ-45 Ethernet port 10/100/1000 Mbps (Auto-MDI/MDIX)

Management

- Web-based GUI control configuration and management
- Dual-color LEDs clearly display network status and activity
- Power on self diagnostic
- MIB II/MCNS MIB
- Hitron proprietary MIBs for extended support

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)
- Signal Level: -15 dBmV to 15 dBmV
- Input return loss: >6dB

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 (Extended)
- Output return loss: >6dB

Mechanical

- 5 status LEDs (Power, DS, US, Status, LAN)
- Factory default reset button
- Dimensions: 160mm (W) x 40mm (H) x 147mm (D)
- Weight: 310g ± 10g

Environmental

- Supply voltage of external power supply
 - ▶ Input 100 ~ 240 VAC 50/60Hz
 - ▶ Output 6VDC 1.5A
 - ▶ Power Consumption: 6W (typical), 9W (max.)
- Operating Temperature: 0°C (32°F) ~ 40°C (104°F)
- Operating Humidity: 10% ~ 90% (Non-condensing)
- Storage Temperature: -40°C (-40°F) ~ 80°C (176°F)
- Surge Protection:
 - ▶ RF input sustains at least 3KV
 - ▶ Ethernet RJ-45 sustains at least 6KV

Compliance Certificates

- CE Mark
- RoHS Compliant
- FCC, UL