



CDA-32372

- DOCSIS/EuroDOCSIS 3.0
- 24 DOWNSTREAM BY 8 UPSTREAM CHANNEL BONDING
- FULL CAPTURE BANDWIDTH TUNER
- SUPPORTS IPv4 AND IPv6

Always-On, High-Performance Internet Connection

The Hitron CDA-32372 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 960Mbps (24x8) with twenty-four bonded downstream channels over its DOCSIS interface. The integrated Gigabit Ethernet port enables easy home networking.

Rapid, Simple Deployment, Monitoring and Management

Installation of the CDA-32372 is quick, straight-forward, and can even be carried out by the end-user. Once connected, the unit 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.

Key Features

- DOCSIS/EuroDOCSIS 3.0 compliant
- 24x8 channel bonding
- Full-featured, high bandwidth, compact economical cable modem
- Extensive operator control via configuration file and SNMP
- Well-defined LEDs clearly display device and network status
- CableLabs CW93 planned

PRODUCT SPECIFICATIONS

Protocol Support

- DOCSIS/EuroDOCSIS 1.1/2.0/3.0
- SNMP v1, v2C, v3
- DHCP, TFTP and ToD clients (IPv4/IPv6)

Connectivity

- RF F-type female 75Ω connector
- 2x RJ-45 Ethernet port 10/100/1000Mbps (Auto-MDI/MDIX)

Management

- Web-based GUI control configuration & 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 960 Mbps with 24 bonded downstream channels (DOCSIS)
 - ▷ Up to 1.3Gbps with 24 bonded downstream channels (EuroDOCSIS)
- Frequency (edge-to-edge):
 - ▷ 88~1002 MHz (DOCSIS)
 - ▷ 108~1002 MHz (Euro-DOCSIS)
- Channel Bandwidth:
 - ▷ 6 MHz (DOCSIS, DOCSIS-J)
 - ▷ 8 MHz (Euro-DOCSIS)
- 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 240 Mbps with 8 upstream channel bonding
- Frequency: 5 ~ 42 MHz (DOCSIS), 5 ~ 65 MHz (EuroDOCSIS), 5 ~ 85 MHz (optional)
- Output return loss: >6dB

Mechanical

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

Environmental

- Supply voltage of external power supply:
 - ▷ Input 100 ~ 240 VAC 50/60Hz
 - ▷ Output 12VDC, 1.5A (NA/EU)
- Power Consumption: 7.2W (typical), 1.3W (max.)
- Operating Temperature: 0°C (32°F) to 40°C (104°F)
- Operating Humidity: 10% to 90% (Non-condensing)
- Storage Temperature: -40°C (-40°F) ~ 80°C (176°F)
- Surge Protection:
 - ▷ RF input sustains at least 3KV (NA/EU) and 6KV (KS)
 - ▷ Ethernet RJ-45 sustains at least 6KV

Compliance Certificates

- RoHS Compliant
- CE Mark
- FCC, UL
- CW93 planned



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