

WIDEBAND CABLE MODEM

Intel® Puma™ 5 8x4

DOCSIS/EuroDOCSIS 3.0 8x4

Dual Wideband Tuners

Supports IPv4 AND IPv6



ALWAYS-ON, HIGH-PERFORMANCE INTERNET CONNECTION

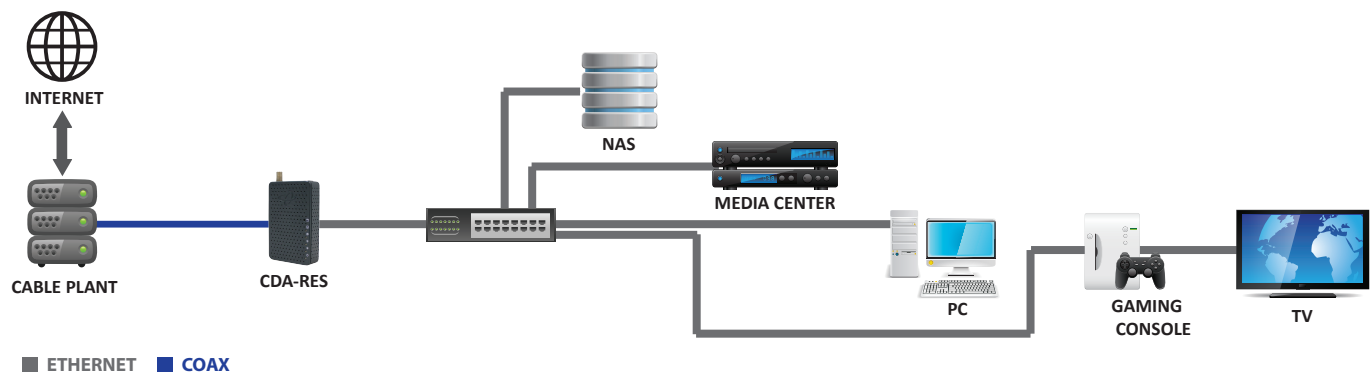
The CDA-RES is the perfect choice for cable operators who want to offer high-speed broadband access to their customer base economically. It delivers speeds of up to 320Mbps (8x4) with eight bonded downstream channels over its DOCSIS interface - eight times faster than a conventional single-channel DOCSIS 2.0 cable modem! The integrated Gigabit Ethernet port enables easy home networking.

RAPID, SIMPLE DEPLOYMENT, MONITORING AND MANAGEMENT

Installation of the CDA-RES 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.

KEY FEATURES

- DOCSIS/EuroDOCSIS 3.0 compliant
- 8x4 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



HIGH-PERFORMANCE INTERNET ACCESS

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
- 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)
- Frequency (edge-to-edge): 88 ~ 1002 MHz (DOCSIS)
- Channel Bandwidth: 6 MHz (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 120 Mbps with 4 upstream channel bonding
- Frequency: 5 ~ 42 MHz (DOCSIS)
- Output return loss: >6dB

Mechanical

- 5 status LEDs (Power, DS, US, Status, LAN)
- Factory default reset button
- Dimensions: 110mm(W) x 70mm(D) x 25mm(H)
- Weight: 100g ± 10g

Environmental

- Power Input DC: DC 12V/1A
- Power Consumption: 6W (typical), 9W (max.)
- Operating Temperature: 32°F (0°C) to 104°F (40°C)
- Operating Humidity: 10% ~ 90% (Non- condensing)
- Storage Temperature: -40°F (-40°C) to 176°F (80°C)
- Surge Protection:
 - ▶ RF input sustains at least 6KV
 - ▶ Ethernet RJ-45 sustains at least 1.5KV

Compliance Certificates

- RoHS Compliant
- FCC, UL