CDA3-35

GIGABIT CABLE MODEM

Intel® Puma™ 6-MG 32x8 Channel Bonding

DOCSIS 3.0 32x8 channel bonding

Full capture bandwidth

Supports IPv4 and IPv6



ALWAYS-ON, HIGH-PERFORMANCE INTERNET CONNECTION

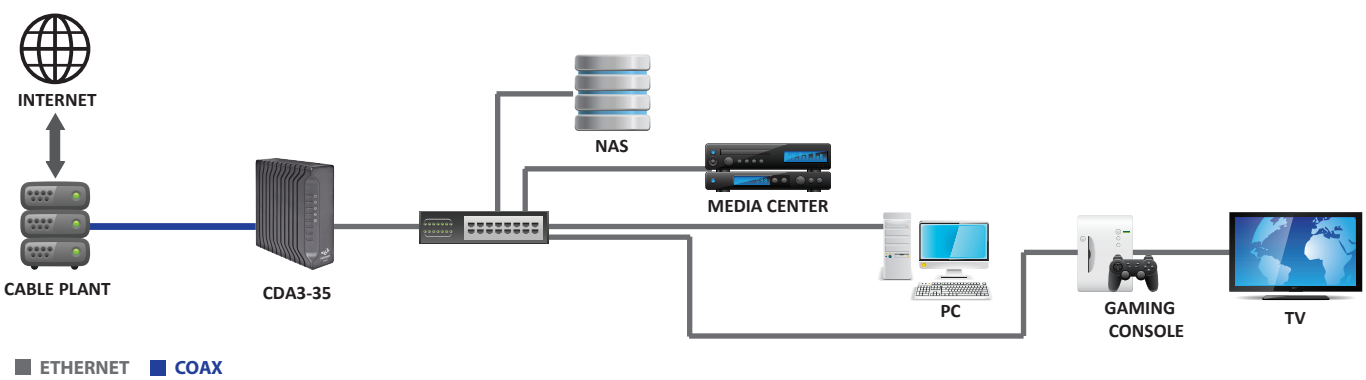
The CDA3-35 is the perfect choice for cable operators who want to offer high-speed broadband access to their customer base economically. It delivers speeds of up to 1.2Gbps (32x8) with thirty-two bonded downstream channels over its DOCSIS interface. The CDA3-35 allows MSOs to offer their customers various broadband applications such as telecommuting, HD and UHD video on demand over IP connectivity to small office/home office (SOHO), high-speed residential Internet access, interactive multimedia services, etc. The CDA3-35 is an intelligent device that enhances its basic data transmission features with IPv6 support. This makes it especially suitable for the transmission of data based on this protocol.

RAPID, SIMPLE DEPLOYMENT, MONITORING AND MANAGEMENT

Installation of the CDA3-35 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 3.0 compliant
- Supports Business Services over DOCSIS
- Full-featured, high bandwidth cable modem
- Built in MoCA® immunity filter
- Extensive operator control via configuration file and SNMP
- Well-defined LEDs clearly display device and network status



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SPECIFICATION

Protocol Support
- DOCSIS 1.1/2.0/3.0
- SNMP v1, v2C, v3
- DHCP, TFTP and ToD clients (IPv4/IPv6)
- L2VPN

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 1.2Gbps with 32 bonded downstream channels
- Frequency (edge-to-edge): 108 ~ 1002 MHz
- Channel Bandwidth: 6 MHz
- 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 320 Mbps with 8 upstream channel bonding
- Frequency: 5 ~ 85 MHz
- Support extended upstream transmit power
- Output return loss: >6dB

Mechanical
- 5 status LEDs (Power, DS, US, Status, LAN)
- Factory default reset button
- Dimensions: 144.5mm (W) x 166mm (H) x 51mm (D)
- Weight: 220g ± 10g

Environmental
- Power: 12V 1.5A
- Power Consumption: 12W (typical)
- Operating Temperature: 32°F (0°C) to 104°F (40°C)
- Operating Humidity: 10% ~ 90% (Non- condensing)
- Storage Temperature: -40°F (-40°C) to 140°F (60°C)
- Surge Protection:
  - RF input sustains at least 4KV
  - Ethernet RJ-45 sustains at least 4KV

Compliance Certificates
- RoHS Compliant
- FCC, UL