

GIGABIT CABLE MODEM

Intel® Puma™ 6-MG 24x8

DOCSIS 3.0 24x8

Full capture bandwidth

Supports IPv4 and IPv6



ALWAYS-ON, HIGH-PERFORMANCE INTERNET CONNECTION

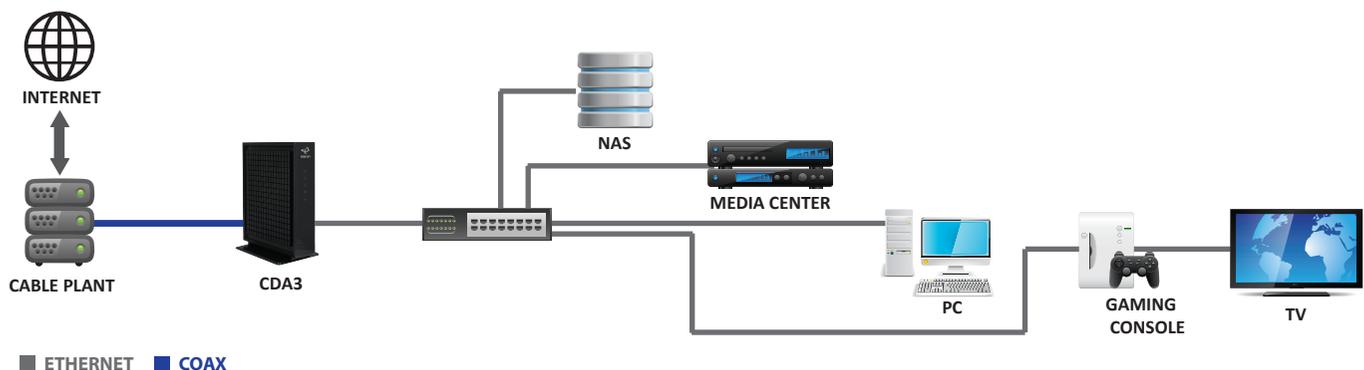
The CDA3 is the perfect choice for cable operators who want to offer high-speed broadband access to their customer base economically. It delivers speeds of up to 960Mbps (24x8) with twenty-four bonded downstream channels over its DOCSIS interface. The CDA3 allows MSOs to offer their customers various 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 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 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
- 24x8 channel bonding
- Full-featured, high bandwidth, 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 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 960 Mbps with 24 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
- Output return loss: >6dB

Mechanical

- 5 status LEDs (Power, DS, US, Status, LAN)
- Factory default reset button
- Dimensions: 177mm (W) x 204mm (H) x 45mm (D)
/ Stand included: 177mm (W) x 213.8mm (H) x 95.4mm (D)
- Weight: 500g ± 10g

Environmental

- Power Input DC: DC 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 176°F (80°C)
- Surge Protection:
 - RF input sustains at least 4KV
 - Ethernet RJ-45 sustains at least 4KV

Compliance Certificates

- RoHS Compliant
- FCC, UL