

## MULTI-GIGABIT DOCSIS 3.1 CABLE MODEM

Intel® Puma™ 7 2x2 OFDM /w Fixed 5-85MHz US, GigE

### KEY FEATURES

- DOCSIS 3.1 certified
- DOCSIS 3.1 2x2 multi-carrier OFDM
- DOCSIS 3.0 32x8 channel bonding
- Fixed 5~85MHz upstream
- Extensive operator control via configuration file and SNMP
- Supports Business Services over DOCSIS



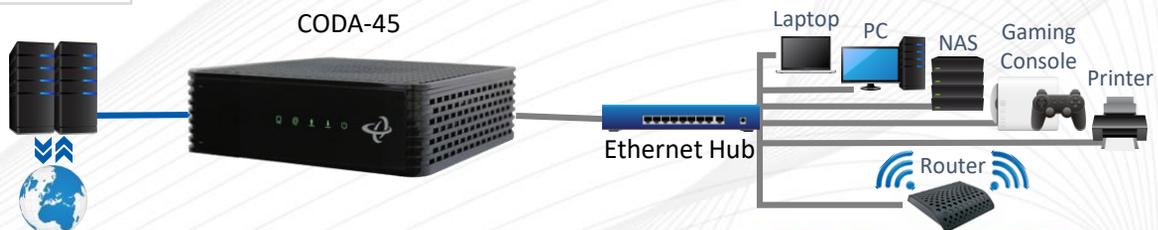
- Built in MoCA® immunity filter
- Full-featured, high bandwidth cable modem

### HIGH-PERFORMANCE, ALWAYS-ON INTERNET CONNECTION

CODA-45 is the perfect choice for cable operators who want to offer high-speed and economic broadband access to their customer base. It delivers speeds up to 1.97Gbps based on 2 GigE ports with two bonded downstream channels over its DOCSIS interface. The CODA-45 allows MSOs to offer their customers various broadband applications such as telecommuting, HD and UHD video on demand over IP connectivity to a small office/home office (SOHO), high-speed residential Internet access, interactive multimedia services, etc. The CODA-45 is an intelligent device that enhances its basic data transmission features with IPv6 support, which makes it especially suitable for the transmission of data based on this protocol.

### FAST, SIMPLE DEPLOYMENT, MONITORING AND MANAGEMENT

Installation of the CODA-45 is quick, straight-forward, and can 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.



## SPECIFICATIONS

### Connectivity

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

### Management

- Protocol support: ToD clients (IPv4/IPv6), TFTP, SNMP v1, v2C, v3
- Web-based GUI control configuration and management
- LEDs clearly display network status and activity
- Power on self diagnostic
- MIB II/MCNS MIB
- Hitron proprietary MIBs for extended support

### Reception-Demodulation

- DOCSIS 3.1/3.0/2.0
- Protocol support: BSOD, DHCP
- DOCSIS 3.1 demodulation: Multi-carrier OFDM 16 to 4096QAM
- DOCSIS 3.1 data rate: Up to 1.97Gbps with 2 OFDM 192MHz downstream channels
- DOCSIS 3.0 demodulation: 64QAM, 256QAM
- DOCSIS 3.0 data rate: Up to 1.2Gbps with 32 bonded downstream channels
- Frequency (edge-to-edge): 108-1002MHz
- Channel bandwidth: 6MHz
- Signal level: -15dBmV to 15dBmV
- Input return loss: >6dB

### Transmitter-Modulation

- DOCSIS 3.1/3.0/2.0
- DOCSIS 3.1 modulation: Multi-carrier OFDMA BPSK to 4096QAM
- DOCSIS 3.1 data rate: Up to 720Mbps with OFDMA 96MHz upstream channels
- DOCSIS 3.0 modulation: QPSK, 8QAM, 16QAM, 32QAM, 64QAM, and 128QAM (SCDMA only)
- DOCSIS 3.0 data rate: Up to 320Mbps with 8 upstream channels bonding
- Frequency: 5-85MHz
- Upstream transmit signal level: +11 to 65dBmV
- Output return loss: >6dB

### Mechanical

- 5 status LEDs (Power, DS, US, Status, LAN)
- Factory default reset button
- Dimensions: 171mm (W) x 171mm (D) x 51.5mm (H)
- Weight: 464g ± 10g

### Electrical

- Input power: 12VDC
- Power adaptor: 100-120VAC to DC12V, 50/60Hz, 2A
- Power consumption: 15W (typical)
- Surge protection:
  - RF input sustains at least 4KV
  - Ethernet RJ-45 sustains at least 4KV

### Environmental

- 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)

### Compliance Certificates

- RoHS compliant
- FCC, UL, IC
- CableLabs



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