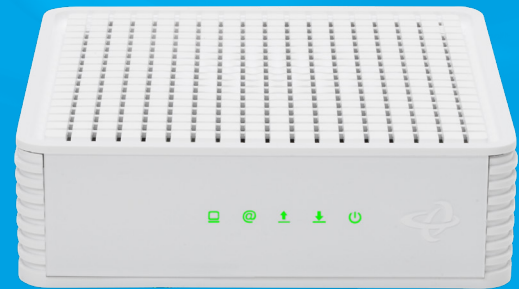# DOCSIS 3.1 Cable Modem

with Switchable Frequency

CODA

Enjoy a true Gigabit and Multi-Gig experience with Hitron's CODA DOCSIS 3.1 modems. With download speeds up to 6 Gbps and faster uplink speeds, you'll get richer ultra-HD video streaming, faster online gaming, more reliable video conferencing and more. Gigabit Ethernet ports provide a faster wired connection to your router or computer. Hitron devices are trusted by some of North America's most-respected Internet providers and CODA DOCSIS modems are compatible with major North American cable internet providers including Spectrum, XFINITY and more.

Say Good-bye to Modem Rental Fees

Currently leasing equipment from your cable service provider? Save money by purchasing your own cable modem and eliminate the monthly rental fees. And since CODA modems feature the latest DOCSIS 3.1 technology, you can be confident they'll be powering your home broadband for years to come.

DOCSIS 3.1 – the Newest, Fastest Cable Internet technology Available

CODA modems support DOCSIS 3.1, the newest technology available from cable Internet providers. DOCSIS 3.1 takes Internet speeds to a new level, offering speeds up to 10x faster than the DOCSIS 3.0 standard.

Key Features

· DOCSIS 3.1 2x2 OFDM/OFDMA

· DOCSIS 3.0 32x8 Channel Bonding

· Switchable 5-42/5-85MHz

· Two 1 GigE Ports

· Compatible with major North American Cable Internet Providers

· Certified with Charter Spectrum, Comcast XFINITY, Cox Gigablast, CableOne Sparklight and Zito Media

Interfaces

- 1x RF F-Type 75Ω Female Connector
- 2x RJ-45 10/100/1000BASE-T Ethernet Ports

Reception-Demodulation

- DOCSIS 3.1/3.0/2.0
- DOCSIS 3.1 Demodulation: Multi-carrier OFDM 16 to 4096QAM
- DOCSIS 3.1 Data Rate: Up to 6Gbps with 2 OFDM 192MHz Downstream Channels + 32 SC-QAM
- 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

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 700Mbps 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 bonded Upstream Channels
- Frequency: Switchable 5-42/ 5-85MHz
- Upstream Transmit Signal Level: +11 to 65dBmV

Management

- Protocol Support: TFTP, SSHv2, SNMP v2, v3
- Power-on Self-Diagnostic
- Hitron-proprietary MIBs for Extended Support on DOCSIS

Mechanical

- LEDs: 5 (Power, DS, US, Status, LAN)
- Factory Default Reset Button
- Dimensions: 51.5mm (H) x 171mm (W) x 171mm (D)
- Net Weight: 464 +/- 10g

Electrical

- Input Power: 12VDC, 2A
- Power Adaptor: 100-240VAC, 50/60Hz
- Power Consumption: 7.6W (power saving), 8.92W (typ.), 14W (Max)
- Surge Protection
  - RF Input sustains at least 4KV
  - Ethernet RJ-45 sustains at least 4KV

Environmental

- Operating Temperature: 0°C (32°F) ~ 40°C (104°F)
- Operating Humidity: 10% ~ 90% (Non-condensing)
- Storage Temperature: -40°C (-40°F) ~ 60°C (140°F)

Regulatory Compliance

- RoHS
- CableLabs
- FCC Part 15 Class B Subpart B, Part 15.247, Part 15.407, Part 2.1091
- ICES-003 Issue 6, Class B
- RSS-102 Issue 5
- IC RSS-247 Issue 2, 2017-02 and RSS-Gen Issue 5, 2018-4
- Canada RSS-Gen Issue 5, Amendment 1, Mar 2019
- UL 62368-1
- cUL 62368-1-14

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