DOCSIS 3.1 Cable Modem

with Switchable Frequency

CODA56
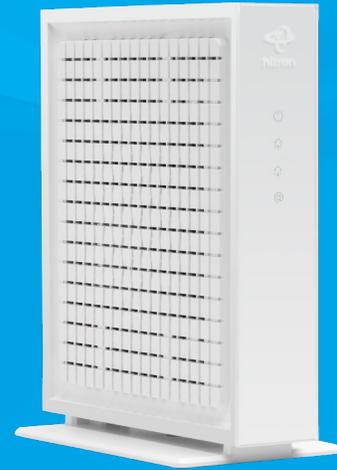
Enjoy a true Gigabit and Multi-Gig experience with Hitron's CODA56 DOCSIS 3.1 modem. With download speeds up to 2.5 Gbps and faster uplink speeds, you'll get richer ultra-HD video streaming, faster online gaming, more reliable video conferencing and more. A 2.5 Gigabit Ethernet port provides an extremely fast wired connection to your router or computer for the ultimate in high speed Internet connectivity. Hitron's CODA56 DOCSIS 3.1 modem is compatible with major US cable Internet providers including Comcast XFINITY and more.

Eliminate Monthly Rental Fees

Hitron's CODA56 replaces the modem you're leasing from your cable provider – eliminating monthly cable modem fees! And since CODA56 features the latest DOCSIS 3.1 technology, you can be confident it will be powering your home broadband for years to come.

DOCSIS 3.1 – the Newest, Fastest Cable Internet technology Available

CODA56 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.

10x Faster Internet Speeds

With the latest DOCSIS 3.1 technology, Hitron's CODA56 modem takes Internet speeds to the next level, delivering 10x faster speeds than older DOCSIS 3.0 modems. Get the fastest multi-Gigabit Cable Internet speed plans available today and tomorrow.

Key Features

· DOCSIS 3.1 2x2 OFDM/OFDMA

· DOCSIS 3.0 32x8 Channel Bonding

· One 2.5 Gigabit Ethernet Port

· 5 color-changing LEDs that report status and performance

· Supports IPv6 next generation Internet addressing

· Compatible with major US Cable Internet Providers

Interfaces

- 1x RF F-Type 75Ω Female Connector
- 1x RJ-45 2.5GBASE-T Ethernet Port

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

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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