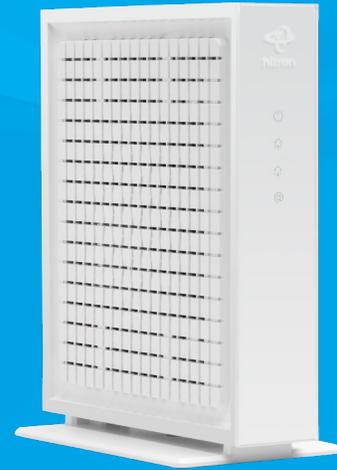




# DOCSIS 3.1 Cable Modem

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



I.T.V F219020

Specifications subject to change without further notice. Product photo may differ.

DOCSIS 3.1 is a CableLabs standard for high speed Internet access that defines support for up to 10 Gbps downstream and 1 Gbps upstream. Actual cable operator network speeds will vary and will be less than the calculated maximum possible speeds. Actual upload and download speeds are affected by several factors including, but not limited to: the capacity of your cable operator's network, the services offered by your cable operator, cable and Internet network traffic, your computer equipment etc. Final speeds will also be limited by each device and the quality of its connection to the modem or router.

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