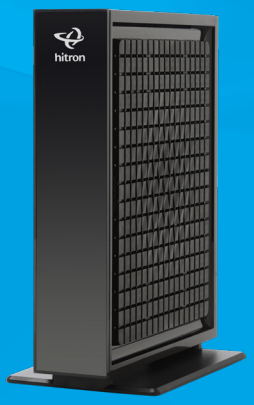
hitron

DOCSIS 3.1 Cable Modem

with Switchable Frequency

CODA56 (RES)



Your customers crave speed and with the CODA56, you can make sure they get the fastest multi-gigabit Internet speeds available from a DOCSIS network. This powerful modem not only supports blazing fast DOCSIS 3.1 speeds, but it's equipped with a 2.5 GigE port that won't throttle your premium plans. Customers get the fastest wired connection to their WiFi router or Mesh system for smoother ultra-HD streaming, faster online gaming, and buffer-free video calls for everyone in the home.

Faster Speeds, Happy Customers

Give your customers a true Gigabit and Multi-Gig experience with next generation DOCSIS 3.1. With speeds 10x faster than DOCSIS 3.0, you can deliver premium Internet speeds for richer streaming, faster downloads, more reliable video calls, and lightning-quick gaming.

Ultra-fast 2.5 GigE Port

Don't throttle back your customers' multi-Gig plans. A 2.5 GigE port takes the Internet experience up a level with the fastest connection to a router, mesh system or computer.

Higher Gigabit speeds over your existing networks

DOCSIS 3.1 enables you to support higher Gigabit speeds using your existing technology infrastructure. That means you can cost-effectively give more customers access to faster broadband without new cable layouts or fiber optics.

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

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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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.

P/N: CODA56(RES)-D-001