



DOCSIS 3.1 Cable Modem



CODA

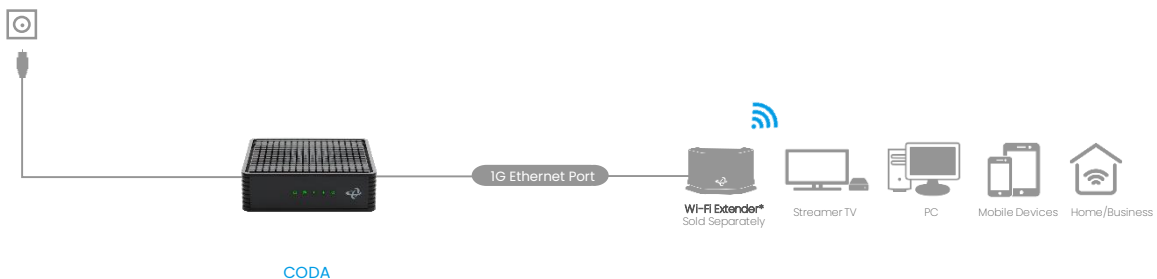
With support for DOCSIS 3.1, residential and business customers will enjoy the ultimate digital experience, today and tomorrow, with richer ultra-HD video streaming, faster online gaming, virtual reality applications, more reliable video conferencing and more. And two GigE ports provide the fastest wired speeds to connect a Wi-Fi router, computer or other wired device.

 DOCSIS 3.1 DOCSIS 3.1 speeds up to 10 Gbps* downstream	 1GigE Two Gigabit Ethernet Ports
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Key Features

- DOCSIS 3.1 2x2 OFDM/OFDMA
- DOCSIS/EuroDOCSIS 3.0 32x8 Channel Bonding
- Fixed 5-85MHz
- Two 1 GigE Ports
- Supports Business Services over DOCSIS

Application



Specifications

CODA

Reception-Demodulation

- DOCSIS 3.1/3.0/2.0 with EuroDOCSIS compliant
- DOCSIS 3.1 Demodulation: Multi-carrier OFDM 16 to 4096QAM
- DOCSIS 3.1 Data Rate: Up to 10Gbps with 2 OFDM 192MHz Downstream Channels + 32 SC-QAM
- DOCSIS/EuroDOCSIS 3.0 Demodulation: 64QAM, 256QAM
- DOCSIS/EuroDOCSIS 3.0 Data Rate: Up to 1.3/1.7Gbps with 32 Bonded Downstream Channels
- Frequency (edge-to-edge): 108-1002MHz
- Channel Bandwidth: 6MHz/8MHz (DOCSIS/EuroDOCSIS)
- Signal Level: -15dBmV to 15dBmV

Transmitter-Modulation

- DOCSIS 3.1/3.0/2.0 with EuroDOCSIS compliant
- DOCSIS 3.1 Modulation: Multi-carrier OFDMA BPSK to 4096QAM
- DOCSIS 3.1 Data Rate: Up to 700Mbps with OFDMA 96MHz Upstream Channels
- DOCSIS/EuroDOCSIS 3.0 Modulation: QPSK, 8QAM, 16QAM, 32QAM, 64QAM, and 128QAM (SCDMA only)
- DOCSIS/EuroDOCSIS 3.0 Data Rate: Up to 320Mbps with 8 bonded Upstream Channels
- Frequency: Fixed 5-85MHz
- Upstream Transmit Signal Level: +11 to 65dBmV

Management

- Protocol Support: TFTP, SSHv2, SNMP v2, v3
- Web-based GUI Control, Configuration and Management
- Power-on Self-Diagnostic
- Hitron-proprietary MIBs for Extended Support on DOCSIS

Interfaces

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

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

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)

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

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
- CE



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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