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DOCSIS Ultra 3.1 Cable Modem

Mid-High Dual-Split

CODA60U



Give your customers the power of 10G! Hitron's CODA60U boasts the latest DOCSIS Ultra 3.1 technology including mid/high dual-split for an extremely flexible and optimized upstream and downstream experience like no other. This flexibility allows ISPs to offer higher speeds to their customers, while they prepare to transition to DOCSIS 4.0.

New Fanless Design

The CODA60U's fanless design presents a game-changing advantage for service providers by eliminating the need for a cooling fan. This ingenious design promotes longevity and reliability, along with decreased power consumption, and a sleeker, more space-efficient device that seamlessly blends into any environment.

Real-time Telemetry Insights

Introducing Telemetry Assist – this patent-pending feature designed exclusively for Hitron DOCSIS modems, revolutionizes the way ISPs manage and monitor HFC networks. Telemetry Assist collects DOCSIS RF performance metric data, providing unmatched RF visibility and diagnostic capabilities. What sets Telemetry Assist apart is its seamless integration with your existing tools used with DOCSIS 3.1 gateways today, standardized using the TR-181 data model.

Key Features

- DOCSIS Ultra 3.1 Certified
- Mid Split Upstream: 5-85MHz / Downstream 108-1218MHz
- High Split Upstream: 5-204MHz / Downstream: 258-1218MHz
- One 10GigE Port
- Supports SNMP / TR-369 / TR-181 / HitronCloud
- Supports Business Services over DOCSIS
- Speed test (Ookla / iPerf / TR-143)

MHz MEGA HERTZ

Provided by: Mega Hertz | 800-883-8839 | info@go2mhz.com | www.go2mhz.com

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CODA60U Specifications

Interfaces
- 1x RF F-Type 75Ω Female Connector
- 1x RJ-45 10GBASE-T Ethernet Port

Reception-Demodulation
- DOCSIS Ultra 3.1/3.0/2.0
- DOCSIS Transmissions up to 1794 MHz
- DOCSIS Support 5 configurable OFDM channels each up to 192MHz
- DOCSIS Support 32 SC-QAM bonded channels (Frequency range of 258 MHz and 1002 MHz)
- DOCSIS 3.1 Service Frame Size of up to 2000 bytes
- DOCSIS 3.1 Demodulation: Multi-carrier OFDM 16 to 4096QAM
- DOCSIS 3.1 Data Rate: Up to 10 Gbps*
- DOCSIS 3.0 Demodulation: 64QAM, 256QAM
- DOCSIS 3.0 Data Rate: Up to 1.2Gbps with 32 Bonded Downstream Channels
- Dual-Split Frequency: Switchable 108-1218MHz / 258-1218MHz
- Channel Bandwidth: 6MHz
- Signal Level: 15dBmV

Transmitter-Modulation
- DOCSIS Ultra 3.1/3.0/2.0
- DOCSIS Ultra 3.1 Support 2 configurable OFDMA channels, each up to 96 MHz
- DOCSIS Ultra 3.1 Support 8 SC-QAM bonded channels (Frequency range of 5 MHz to 204 MHz)
- DOCSIS 3.1 Modulation: Multi-carrier OFDMA BPSK to 4096QAM
- DOCSIS 3.1 Data Rate: Up to 2.5 Gbps 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
- Dual-Split Frequency: Switchable 5-85MHz / 5-204MHz
- Upstream Transmit Signal Level: +11 to 65dBmV

Management
- Protocol Support: TFTP, SSHv2, SNMP v2 / v3, TR-369, TR-181, HitronCloud
- Web-based GUI Control, Configuration and Management
- Power-on Self-Diagnostic
- Hitron-proprietary MIBs for Extended Support on DOCSIS
- Speed test (Ookla / iPerf / TR-143)

Mechanical
- Single Multi Function LED to support Power, DS, US, Status, LAN
- Factory Default Reset Button
- Dimensions: 204mm (H) x 177mm (W) x 45mm (D)
- Net Weight: 650 +/- 10g

Electrical *(preliminary)*
- Input Power: 12VDC, 2A
- Power Adaptor: 100-240VAC, 50/60Hz
- Power Consumption: 7.63W (power saving), 8.83W (typ.), 14.6W (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 (Pending)
- 47 CFR FCC Part 15, Subpart B, ClassB
- ANSI C63.4:2014
- ICES-003 Issue 7, Class B
- UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07 Information Technology Equipment -Safety -Part 1: General Requirements.

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https://www.go2mhz.com/product/docsis-4-0-cable-modem/

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

DOCSIS Ultra 3.1 is a CableLabs standard for high speed Internet access that defines support for up to 10 Gbps downstream and 1.7 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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P/N: CODA60U-D-005