



Ubee™ DOCSIS 3.0

Cable Modem

Model: **U10C035**

U10C035 Device Highlights



Performance — Enabled by DOCSIS 3.0, the U10C035 delivers the bandwidth to support subscribers' multimedia and high-bandwidth applications (up to 171Mbps downstream, 122Mbps upstream).*



Deployment — The U10C035 is well suited for large subscriber deployment, providing simplified installation, operations, diagnostics, and supportability.



Network Interface — 10/100/1000 Ethernet interface provide exceptional performance. IPv4 and IPv6 support enables increased address capacity and improved security.

Overview

Ubee introduces the **U10C035 Cable Modem**. This core subscriber device is a bridge device providing cable-based internet access to the home. The U10C035 provides four upstream and four downstream channels that can be bonded virtually, allowing operators to deliver significant speed increases to subscribers (171Mbps downstream and 122Mbps upstream).*

Additional features include:

- **Gigabit Ethernet** — The **U10C035 Cable Modem** provides a Gigabit Ethernet port with LAN speeds that take advantage of the higher speed tiers offered by DOCSIS 3.0. The U10C035 is fully backwards compatible with 10/100 Ethernet and DOCSIS 1.x/2.0 standards as well. The U10C035 has a built-in 1GHz downstream tuner allowing operators to increase the frequency spectrum and enable new services.
- **Usability** — Subscribers can easily determine the status of their U10C035, including if channel bonding and Gigabit Ethernet is enabled through dual-colored LEDs.



U10C035 Cable Modem

Let's Make It Easy

Combined with world-class engineering and manufacturing, Ubee's core principle is to make it easy to work with our products. Through the entire lifecycle of our devices—from implementing requirements, staging, and deployment, to operational support and the user experience—Ubee makes it easy. Contact a Ubee Product Specialist for more information on the **U10C035 Cable Modem**.

*Actual speeds will vary based on factors including network configuration, conditions, and service tier.

let's make it *easy*

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U10C035 Product Specifications

Interfaces & Standards

- RF Interface: External F-Connector
- CPE Interface: 10/100/1000 Base Ethernet RJ45
- DOCSIS 3.0/Euro DOCSIS 3.0 Certified
- DOCSIS/Euro DOCSIS 1.x/1.1/2.0 Certified
- CE/ FCC Class B, UL 60950, Others: RoHS, WEEE
- IPv4 and IPv6 support

Downstream*

- Frequency Range: 88 MHz ~ 1002 MHz
- Modulation: 64 / 256 QAM
- Maximum Data Rate 4 DS: 171 Mbps (152 Mbps)
- RF Input/Output Power: -15 to +15 dBmV
- Input Impedance: 75 Ω
- Channel Bandwidth: 6 MHz

Upstream*

- Frequency Range: 5 MHz ~ 42 MHz
- Modulation: QPSK, 8, 16, 32, 64 QAM, 128 QAM (S-CDMA only)
- Maximum Data Rate 4 US: 122 Mbps (108 Mbps)
- RF Output Power: TDMA /ATDMA: +8 to +54 dBmV (32QAM, 64QAM ATDMA only), +8 to +55 dBmV (8QAM, 16QAM), +8 to +58 dBmV (QPSK), S-CDMA: +8 to +53 dBmV (all modulations)

Device Management

- Local and Remote Web Management Interface
- Telnet Remote Management
- Remote Configuration File Management
- SNMP v1/v2/v2c and v3 agent Built-In

Physical and Environmental

- Dimensions: (8.44" (W) x 6.48"(D) x 1.69" (H)
- Power: 12V/1A (Energy Star V – begin Jan-2010)
- Power Consumption: < 10W(Full load)
- Input Power: 100-120VAC, 50-60Hz
- LEDs: Power, Ethernet, US (upstream), DS (downstream), Ready
- Operating temp: 0° C to 40° C (32° F to 104° F)
- Humidity: 5~95% (non-condensing)
- Storage temp: -40° C to 70° C (-40° F to 158° F)

*Actual speeds will vary based on factors including network configuration, conditions, and service tier.

Application Diagram

