



let's make it **easy**

Data Cable Modem

Model: U10C018

Overview

The Ubee U10C018 Data Cable Modem is the most compact design available in the market today measuring in at under 5 inches long. The U10C018 supports the latest DOCSIS 2.0 Specifications including A-TDMA/S-CDMA which provides far greater upstream capacity than ever before. Ambit's years of experience in providing broadband technologies to service providers along with over 10 million cable modems sold worldwide has helped to create a product specifically designed with the MSO in mind. Simplicity, support, and value are all key benefits of the Ubee U10C018 Cable Modem.



Key Features & Benefits

- **Small Form Factor**

With the smallest footprint in the industry, the Cable Modem will take up less "real estate" on the end users desk.

- **DOCSIS 1.1 and 2.0 Certified**

Industry certifications make for seamless installations for MSOs.

- **Descriptive LEDs**

Descriptive LEDs allow for easy trouble shooting while the end user is on the phone with a Customer Service Rep.

- **In-Line Power Supply**

The in-line power supply reduces the needed space on a wall outlet. This allows the end user to plug more than one device into a standard outlet.

- **USB and Ethernet Ports**

With both USB and Ethernet ports enabled on the Cable Modem, installers will have the option on what port to use. This adds more flexibility to the CPE equipment needed in a household.

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Product Specifications

Hardware

- RF Interface: F-Connector, female
- CPE Interface: USB 1.1 and 10/100 Based-T RJ-45 Port 2 RJ-11 Ports
- Dimensions: 4.8" (L) x 5" (W) x 1.25" (H)
- Power Consumption: Maximum 8W
- Power Supply: 10V @ 1.0A
- Input Power: 100 ~ 240VAC, 50 ~ 60Hz
- Operating Temp.: 0° C to 40° C (32° F to 104° F)
- Operating Humidity 5 to 95% (non-condensing)

Downstream

- Frequency Range: 88MHz ~ 860MHz
- Modulation: 64/256QAM
- Maximum Data Rate*:
 - 30Mbits/sec (64QAM)
 - 42.8Mbits/sec (256QAM)
- Symbol Rate: 5.057/5.361/Msymbols/sec
- RF Input/Output Power:
 - 17 to +15dBmV (64 QAM)
 - 15 to +17dBmV (256 QAM)
- Input Impedance: 75 Ω
- Channel Bandwidth: 6 or 8 MHz

Upstream

- Frequency Range: 5 MHz ~ 42MHz
- Modulation:
 - A-TDMA: QPSK 8, 16, 32, 64QAM
 - S-CMDA: QPSK 8, 16, 32, 64, 128QAM
- Maximum Data Rate*:
 - 0.32 ~ 10.24Mbits (QPSK)
 - 0.64 ~ 20.48Mbits (16QAM)
 - 0.96 ~ 30.72Mbits (64QAM)
- Symbol Rate: 160, 320, 640, 1280, 2560, 5120K symbols/sec

RF Input/Output Power

- Modulation:
 - A-TDMA: QPSK 8, 16, 32, 64QAM
 - S-CMDA: QPSK 8, 16, 32, 64, 128QAM
- A-TDMA:
 - +8dBmV ~ +58dBmV(QPSK)
 - +8dBmV ~ +55dBmV(QAM)
 - +8dBmV ~ +54dBmV (32/64)

*Actual speeds will vary based on factors including network configuration and speed

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