



let's make it **easy**

# Wireless **Cable Modem Router**

Model: U10C019

## Overview

The Ubee U10C019 Wireless Cable Modem Router is designed to support both the residential and commercial users in one device. This is a perfect solution for MSOs looking to use one device to service both their commercial and residential wireless customers.



## Key Features & Benefits

- **DOCSIS 2.0 & CableHome 1.1 Certified**

Industry certifications make for seamless installations for MSOs.

- **Integrated 802.11g Wi-Fi Access Point**

Connectivity options for any networked CPE device in the home.

- **4 10/100Base-T Ethernet ports & 1 USB Port**

Configure the U10C019 with any routing method you prefer.

- **WPA2-PSK Wi-Fi Encryption**

With WPA2 Wi-Fi Encryption, your customers will have a safe and secure WiFi Network.

- **Configurable via SSH, Telnet, Web, and SNMP**

With the commercial routing features, the U10C019 will allow MSO's to have less overhead.

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## Product Specifications

### Hardware

- Cable Interface: F-Connector, female
- CPE Interface: USB 1.1 and 10/100 Based-T RJ-45 Port
- Dimensions: 7.75 in. (W) x 5.4 in. (H) x 1.4 in. (D)
- Power Consumption: Maximum 8W
- Power Supply: 12V @ 1.0A
- Input Power: 100 ~ 240VAC, 50 ~ 60Hz
- Operating temp: 0°C to 40°C (32°F to 104°F)
- Humidity: 5 ~ 95% (non-condensing)

### Downstream

- Frequency Range: 88 MHz ~ 860 MHz
- Modulation: 64/256 QAM
- 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 (64QAM)
  - 15 to +17dBmV (256QAM)
- Input Impedance: 75Ω
- Channel Bandwidth: 6 or 8 MHz

### Upstream

- Frequency Range: 5 MHz ~ 42 MHz
- 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 Output Power:

- A-TDMA:
  - +8dBmV ~ +58dBmV(QPSK)
  - +8dBmV ~ +55dBmV(QAM)
  - +8dBmV ~ +54dBmV (32/64)

### Wireless

- Standards: IEEE 802.11; 802.11b/g; DSSS
- Transmit Power: 18dBm
- Operating Frequency: 2400 ~ 2497MHz ISM band
- Data Rate: 1, 2, 5.5, 6, 9, 11, 12, 24, 36, 48 & 54Mbps
- Frequency Range: 11 channels (2.412 to 2.462GHz)
- Antenna: External

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

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