



let's make it **easy**

Commercial **Cable Router**

Model: U10C020



Overview

The Ubee U10C020 Cable Modem Router is an advanced device designed to support the needs of commercial users. In addition to allowing PCs to share an Internet connection, the Cable Modem Router supports high-end features including IPSec VPN, SPI Firewall, Access Control Lists, Static Routing, and much more. This is an ideal solution for MSOs looking for one device that supports all the features you'd expect in a commercial router combined with an extremely dependable cable modem.

Key Features & Benefits

- **Supports Bridge, NAT, Router, & NATRoute operational modes**

MSOs can successfully place the U10C020 into any commercial routing environment.

- **Supports up to three public routable subnets/public IP addresses**

Allowing multiple public IP addresses, the U10C020 servers as a true commercial class router.

- **Advanced Gateway configuration including port-blocking, filtering, triggering, & DMZ Hosts**

Security is always a concern, the U10C020 secures the internal network from external sources.

- **Remote management via SSH, Telnet, Web, & SNMP**

Configure the U10C020 with any method you prefer.

- **VPN Endpoint (Local/Remote)**

VPN capability allows end users to remotely access their network at anytime from any place.

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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
- Dimensions: 5.4 in. (H) x 7.75 in. (W) x 1.4 in. (D)
- Power: 12V @ 1.0A
- Power Consumption: Maximum 8W
- Input Power: 100 ~ 240VAC, 50 ~ 60Hz
- Operating Temp.: 0° C to 40° C (32° F to 104° F)
- Operating Humidity: 5-95% (non-condensing)

Downstream

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

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 ~ 10.24Mbps (QPSK)
 - 0.64 ~ 20.48Mbps (16QAM)
 - 0.96 ~ 30.72Mbps (64QAM)
- A-TDMA:
 - +8dBmV ~ +58dBmV(QPSK)
 - +8dBmV ~ +55dBmV(QAM)
 - +8dBmV ~ +54dBmV (32/64)

RF Input/Output Power

- 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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