



let's make it **easy**

Cable eMTA

Overview

The Ubee Cable eMTA is compatible with the DOCSIS 2.0 Specifications including A-TDMA/S-CDMA which provides far greater upstream capacity. In addition to allowing PCs to share an Internet connection, the Ubee eMTA has two FXS port enabling end users to use their existing analog telephones with VoIP phone service. It is an ideal solution for home or SOHO users to enjoy broadband multimedia services such as interactive gaming, video streaming, and real-time audio easier and faster than ever before.



Key Features & Benefits

- **High Performance**

The built-in DOCSIS 2.0 cable modem is backward compatible with DOCSIS 1.1/1.0 standards . It offers higher data transfer rates up to 42 Mbps downstream.

- **VOIP Standard**

The VoIP service is compatible with EuroPacketCable 1.0/1.5 standard to provide secure/basic/hybrid provisioning-flow and voice/signaling security. The AES Encryption is for voice stream security and IPSec is for voice signaling security.

- **Security**

The access control is variable length packet based DOCSIS MAC protocol with contention and reservation slots.

- **Easy to Use**

Universal Plug and Play (UPnP) makes it easy to use your computers and other client devices. The Ubee Cable eMTA offers you the choice of Ethernet or USB connectivity and easy installation. The conveniently located LED status indicators let you quickly check the modem's status and activity.

Interface

- Cable : F-Connector, Female
- LAN: 1 10/100 Mbps RJ-45 port
- 2 FXS RJ-11 ports
- One USB 1.1 Port

EuroDOCSIS Standard

- DOCSIS 2.0 Certified
- DOCSIS 1.0/ 1.1 Compatible

Downstream

- Frequency Range: 88MHz ~ 860MHz
- Modulation: 64 / 256 QAM
- Maximum Data Rate*:
 - 30Mbps/sec (64QAM)
 - 42.8Mbps/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: 5MHz ~ 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)
- Symbol Rate:
160, 320, 640, 1280, 2560, 5120 Ksymbols/sec
- RF Input/Output Power A-TDMA:
 - 8dBmV ~ + 58dBmV(QPSK)
 - 8dBmV ~ + 55dBmV(QAM)
 - 8dBmV ~ +54dBmV (32/64)

VoIP Features

- Compatible with EuroPacketCable 1.0/1.5
- MGCP 1.0/ NCS 1.0 and SIP compliance
- DTMF Tone Detection
- T.38 FAX Relay (G.711)
- Echo Cancellation (G.168) /Silence Suppression
- Voice Active Detection and Comfort Noise Generation

Security Features

- AES Encryption for Voice Stream Security
- IPSEC for Voice Signaling Security

Network Management

- Web-based configuration
- Telnet remote management
- Firmware upgrade via TFTP
- Configuration backup and restore
- SNMP support

Physical Specifications

- Dimensions: 196.7(W) x 137.1(D) x 35.5(H) mm
- Weigh: 300g
- Power: 1.5V/1.3A

Environment Conditions

- Operating temperature: 0°C ~ 40°C
- Humidity: 5-95% (non-condensing)

Certifications

- CE/ FCC Class B

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



www.ubeeinteractive.com
1.888.390.8233