

CBV710 Series

PacketCable 1.5 and DOCSIS/EURODOCSIS 2.0 Compliant Embedded MTA

Introduction

Product Description: The CBV710 is a Voice over IP Residential Gateway integrated with Cable Modem which allows you implement your VoIP phone call directly through Cable-Modem Broadband Network service with its built-in PacketCable1.5 and DOCSIS/EURODOCSIS 2.0 compliant specification.

Specification

Physical Interface

- **To WAN** F-type female 75 ohm connector (option)
- **To Telephone** RJ-11 Telephone Socket x 2
- **To LAN** Ethernet 10/100 Mbps, RJ-45 ports
- **To Power** 12V AC /1.0A
- **LED indicators**

Standard Support

- **DOCSIS/EURODOCSIS 1.0/1.1/2.0**
- **PacketCable 1.0/1.1/1.5**

Downstream /Receiver/

- **Demodulation** 64QAM, 256QAM
- **Data Rate** 30Mbps (64QAM), 43Mbps (256QAM)
- **Frequency Range**
 - DOCSIS 88MHz to 860MHz
 - EURODOCSIS 108 MHz to 862 MHz
- **Bandwidth**
 - DOCSIS 6MHz
 - EURODOCSIS 8MHz
- **Input Signal Level** -15dBmV to +15dBmV

Upstream /Transmitter/

- **Modulation** QPSK, 8/16/32/64/128QAM
- **Data Rate** up to 30Mbps
- **Frequency Range** 5MHz~42MHz (DOCSIS)
5MHz~65MHz (EURODOCSIS)
- **Bandwidth** 200KHz, 400KHz, 800KHz,
1600KHz, 3200KHz, 6400KHz
- **Output Signal Level** +8 to +58dBmV (QPSK),
+8 to +54dBmV (64QAM), 8 to +54dBmV (32QAM) ,
+8 to +53dBmV (S-CDMA)



Feature

- PacketCable 1.5 Standard Compliant
- DOCSIS/EURODOCSIS 2.0 standard compliant
- Support PacketCable MGCP (Media Gateway Control Protocol)
- SIP (Session Initiation Protocol) Compliant.
- Standard RJ-45 connector for 10/100BaseT Ethernet with auto-negotiation MDIX functions
- USB 1.1 12Mbps
- Two RJ-11 Foreign Exchange Station (FXS) ports for IP telephony
- QoS enhancement
- MSO SNMPv3 remote network management
- Provide MIBs DOCSIS1.0/1.1/2.0
- Support simultaneous voice and data communications
- Echo Cancellation
- Voice Active Detection (VAD)
- Comfort Noise Generation (CNG)
- Web Browser Management auto detect network status

Voice / Fax

- **Audio Codes** G.711, G.729A, G.723.1, and so on.
- **VAD** Voice Activity Detection
- **CNG** Comfort Noise Generation
- **Echo cancellation** G.165/G.168 up to 16ms
- **Packet Tone** DTMF generation/Call Progress Generation/Custom Tone Generation
- **Call discrimination** Fax and Modem Detection