

DOCSIS / EURODOCSIS 2.0 Wireless Router **CBW560 Series**

CBW560 series is a DOCSIS 1.1 / 2.0 Compliant and CableHome 1.0 compliant Wireless Cable Modem Residential gateway that provides high-speed connectivity to residential, commercial and education subscribers on public and private network via an existing cable infrastructure. Equipped with Super I/O configuration to provide 4 ports 10/100 Fast ethernet, IEEE802.11b/g WLAN and USB2.0 connectivity, furthermore, IEEE802.11n feature sets supported. By leveraging Castlenet CBW560 product series, it can inter-operate with any DOCSIS/ EURODOCSIS and Cable Home compliant headend equipment and provide high-speed access to local area network and high-speed internet access as well as the rich management features of CableLabs CableHome 1.0. By leveraging Castlenet CBW560, MSOs now can compete with Telecom xDSL service and provide better service solution based on triple play applications.

Product Specifications

Downstream /Receiver/

- Demodulation Downstream with up to 1024QAM
- Data Rate 30Mbps (64QAM), 43Mbps (256QAM)
- Frequency Range 88MHz to 860MHz DOCSIS
108MHz to 862MHz EURODOCSIS
- Bandwidth 6MHz DOCSIS
8MHz EURODOCSIS
- Input Power -15dBmV to +15dBmV

Upstream /Transmitter/

- Modulation QPSK, 16QAM, 32QAM, 64QAM, 128, 256QAM
- Data Rate 0.32 ~ 30.72Mbps(TDMA), 2.56 ~ 35.84Mbps(SCDMA)
- Frequency Range 5MHz to 42MHz DOCSIS
5MHz to 65MHz EURODOCSIS
- Bandwidth 200KHz, 400KHz, 800KHz, 1600KHz, 3200KHz,
6400KHz
- Output Power +8 to +58dBmV (QPSK), +8 to +55dBmV (16QAM)
+8 to +54dBmV (32QAM), +8 to +53dBmV (S-CDMA)

Interface

- USB USB 1.1 specifications x 1
- Ethernet 10-baseT / 100 Mbps (Auto MDI/MDIX) x 4
- WLAN Embedded IEEE802.11b/g miniPCI module x 1
Embedded IEEE802.11n miniPCI module x 1 (option)
- Cable Interface F-type female 75 ohm connector x 1
- LED WPS / Power / RX / TX / Cable / LAN 1-4 / USB / WIFI

Environmental Specification

- Dimension 170(H) x 135(W) x 29(D)mm
- Input 12V, 1A
- Power Consumption < 5mA(max), can sink up to 40mA of current at ibase
- Temperature 0 degree Celsius to 40 degree Celsius
- Humidity 95% Non-condensing
- Operating System 2000 / XP / Vista

Certifications

- CE, FCC



- Fully DOCSIS / EURODOCSIS 1.1/2.0 Compliant with Channel Bonding and 2.0b
- TurboQAM Performance Enhancements
- SmartSpectrum Noise Immunity Technology
- Proprietary Packet Accelerator
- Super I/O Configuration
 - 10/100 Fast Ethernet
 - USB2.0
 - IEEE802.11b/g with Detachable antennas
- IEEE802.11n future supported
- WPS (WiFi Security Setup) Supported

CastleNet Technology Inc.

No. 64, Chung-Shan Rd.
 Tu-Cheng City, Taipei 236
 Taiwan R.O.C.
 Tel: 886-2-2267-3858
 Fax: 886-2-2267-3866
 E-mail: inquiry@castlenet.com.tw
 http://www.castlenet.com.tw