

## DOCSIS / EURODOCSIS 2.0 Wireless Router **CBW561 Series**

CBW561 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 CBW561 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 CBW561, 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 1
■ 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 / 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
- Propane 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

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