

CH7466CE

EuroDOCSIS 3.0 Wireless Voice Gateway

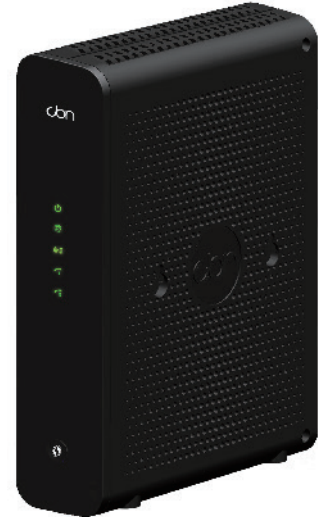
Introduction

The Compal Broadband Networks' CH7466CE EuroDOCSIS 3.0 Wireless Voice Gateway is a fully integrated all-in-one home networking, communication solution that combines the functionality of a EuroDOCSIS 3.0 voice Gateway, four-port 10/100/1000 Gigabit Ethernet with advanced firewall, and an dual band concurrent 3x3 2.4GHz 802.11n and 3x3 5GHz 11ac wireless access point in one convenient package.

The CH7466CE is the perfect broadband solution for the home, home office, or small business; allowing users to create a customer home network to share a single ultra-broadband connection, files, and networked peripherals, using wired or wireless connectivity. Cost-effective, efficient, and secure the CH7466CE enables users to maximize the potential of their existing resources, while benefiting from next generation high-bandwidth data and IP voice services.

Highlights

- Docsis / EuroDOCSIS3.0 compliant
- 24x8 channel bonding
- 2 ports VoIP, 4-port auto-sensing Gigabit Ethernet
- Support 5GHz 3x3 11ac
- Supports IPv4 and IPv6
- Advanced SNMP network management
- Easy setup and installation
- User-friendly online diagnostics
- 1GHz Full band capture
- Low-power consumption



Features

Utilizing the power of EuroDOCSIS 3.0 standard, the CH7466E enables channel bonding of up to 24 downstream and 8 upstream channels.

This allows an operator to offer their customers advanced multi-media services, increasing data rates of up to 1.3Gbps in received (downstream) data stream and 240 Mbps in the send (upstream) data stream.

The CH7466E high-speed services enable operators to:

- Protect their installed base of premium high-speed data customers.
- Deliver high-bandwidth, multimedia services to residential customers.
- Deliver competitive, high-capacity commercial services to their business customers.

The CH7466E includes an enhanced tuner that supports up to a 1 GHz downstream full band capturing that allows operators to increase the frequency spectrum for deployment of new high-value services, such as remote diagnostics, bandwidth on-demand, commercial services, interactive gaming, and IPTV to their customers.

Environmentally Friendly

CBN's Cable Modems are helping service providers lower their carbon footprint by helping them lower energy consumption.

CBN is globally committed to be part of the solution to climate change, and working for years to continually improve the environmental profile of our products, operations and supply chain.

We are in step with our customers and their increasing interest in partnering with a company that will help them reduce their environmental impact.

CBN designed the next generation portfolio of customer premises equipment (CPE) to minimize its impact on the environment.

CBN's products comply with international environmental and energy efficient standards.

In addition, the devices and power supplies are lead-free and RoHS compliant.

Front Panel



Feature	Description
Indicator	Power, Online, Wireless, TEL1, TEL2
WPS	Activates WPS and Wi-Fi, which allows user to add wireless devices to the wireless network of the residential gateway and enable/disable Wi-Fi.
Branding	CBN and Model number

Back Panel



Feature	Description
Tel	RJ-11 telephone port connect to home telephone wiring and to conventional telephones or fax machines.
Ethernet	RJ-45 Ethernet ports connect to the Ethernet port on your PC or your home network.
USB	USB host port for print server or network storage function
Reset	Press and hold the RESET button for five seconds or longer to restore CH7466E to factory default settings.
Coax	F-connector connects to an active cable signal from your service provider
Power On/Off	Switches power to the unit
DC In	Connects modem to the 12VDC output of the AC power adapter

Specifications

GENERAL	
Standards	EuroDOCSIS 3.0, EURODOCSIS & Packet Cable
Coax	Female F-Connector, 75 ohms
Data Ports	Four 10/100/1000 RJ-45 Ethernet Ports with Auto-MDIX
Wireless Interface	802.11 a/b/g/n/ac Wi-Fi
Dimensions	220x160x45 mm
Regulatory	RoHS compliant, CE
Input Voltage	12VDC
ENVIRONMENTAL	
Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
Storage Temperature	-22 °F to 158 °F (-30 °C to 70 °C)
Operating Humidity	5 to 95% R.H. (non-condensing)
NETWORK	
Gateway	DHCP, NAT, VPN tunneling; static routing and dynamic IP routing (RIPv1, RIPv2); SPI firewall with DoS protection and intrusion prevention; port, packet, and URL keyword filtering; full suite of ALGs; UPnP IGD 1.0; L2TPv3, L2VPN, eRouter
Wi-Fi	3x3 2.4GHz wireless access point 3x3 5GHz wireless access point 802.11a/b/g/n/ac Wi-Fi, WDS bridging, 802.11e WMM QoS 802.11e WMM power save/U-APSD (Unscheduled-Automatic Power Save Delivery) WEP-64/128, WPA, WPA2, TKIP, AES, 802.1x, 802.11i (pre-authentication) Wi-Fi Pairing User-friendly Wi-Fi protected setup (WPS) for connection with WPS compatible device
VOICE	
Protocol	MGCP/NCS including configurable IPsec encryption Configurable to support RFC 2833 event signaling Software upgradeable to support Session Initiation Protocol (SIP)
CODECs	64 kbps PCM, μ -law or A-law companding; support for G.711, G.726, G.728, G.729, G.723.1, iLBC, and V16/32 codecs

