

# Blu-Castle BC-RT905

#### **DOCSIS3.0 Residential Gateway**

PUMA6 MG 24\*8 802.11ac Dual Band WiFi, 4 Port Router, 2 Voice Lines

**Brief Datasheet** 



#### **Description**

The Blu-Castle DOCSIS 3.0 Residential Gateway BC-RT905 integrates two analog voice lines, 4-port Gigabit Router, and a Dual Band 802.11ac/n wireless access point into a single device. Using Intel's multi-processor /WiFi full offloading technology, the BC-RT905 can achieve high bandwidth performance through both wired and wireless interfaces. Local web-based configuration and remote management via TR-069 can be used to manage the device. This multifunctional unit is intended to serve as the hub of the subscribers' network, connecting all IP applications (Internet, Data, Voice and Video) of the customer premise equipments. Furthermore, the BC-RT905 will continue to take the lead in the market of the advanced home and small office.

#### **Key Features**

- ♦ Intel PUMA6 MG
- ♦ 24\*8 Channel Bonding
- ♦ DOCSIS/EuroDOCSIS 3.0
- ♦ PacketCable/EuroPacketCable 1.5
- ♦ 4 port Gigabit Ethernet
- ♦ 3x3 2.4GHz 802.11n
- ♦ 4x4 5GHz 802.11ac
- ♦ Dual Band ConCurrent up to 2300Mbps
- ♦ 2 voice ports with SIP or MGCP
- ♦ Dual Stack IPv4/IPv6 Home Router



### **Product Specification**

ltem		Description
Interface	RF Interface	75Ω 'F' type connector
	LAN	4 10/100/1000 Base-T Ethernet RJ-4!
	Voice	2 RJ11 Voice port
		802.11 a/b/g/n/ac 4T4R Wi-Fi dat
	WiFi	rate up to 2300Mbps
		(5G 1733Mbps +2.4G 600Mbps)
	Power On/Off Switch	YES
	Input Voltage	110-240 VAC 50/60 Hz
	Diagnostic LEDs	Power, DS, US, Online, 2.4G 5G TEL1 TEL2
	Power consumption	MAX 30W

	Item	Description	
WiFi Parameters	Standard	IEEE 802.11a/b/g/n/ac wave2	
	Antenna	4 dual band Antennas	
	Link Rate	IEEE 802.11ac: up to 1733Mbps	
		IEEE 802.11n: up to 600Mbps	
		IEEE 802.11g: 54Mbps	
		IEEE 802.11b: 11Mbps	
		IEEE 802.11a: up to 54Mbps	
	TX power	2.4G 27dBm	
		5G 27dBm	
WLAN Feature	64/128/152-bit WEP/WPA/WPA2, WPA-PSK/WPA2-PSK		
	Support STBC、Beamforming		
	Support MU-MIMO		
	Support 20M、40M、80M bandwidth		
	Support Auto scan		
	Support WMM(WiFi Multimedia)		
	Support WLAN channel management and Rate adjustment.		
	Signaling: MGCP \ SIP		
	Codecs: G.711a,G.711u,G.723,G.726,G.729ab		
VOIP	Advanced Services:		
	Call waiting		
	Caller Identification		
	Call forwarding		
	Call transferring		
	CLIP (Calling Line Identification Presentation)		
	CLIR (Calling Line Identification Restriction)		
	3-way conference		
	Functionality:		
	T.38, Echo cancellation G.168, VAD,		
	Silence Suppression, Jitter Buffer, CNG		
	Interop with main market softswitches		
	SNMP V2 V3		
Network	Web GUI		
Management	TFTP		
	Telnet		
	TR069		

#### **FCC Statement**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- -- Reorient or relocate the receiving antenna.
- -- Increase the separation between the equipment and receiver.
- -- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- -- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1)this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.