



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



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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



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Product Specification

Item		Description
Interface	RF Interface	75Ω 'F' type connector
	LAN	4 10/100/1000 Base-T Ethernet RJ-45
	Voice	2 RJ11 Voice port
	WiFi	802.11 a/b/g/n/ac 4T4R Wi-Fi data 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

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	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.
VOIP		Signaling: MGCP 、 SIP
		Codecs: G.711a,G.711u,G.723,G.726,G.729ab
		Advanced Services:
		Call waiting
		Caller Identification
		Call forwarding
		Call transferring
		CLIP (Calling Line Identification Presentation)
		CLIR (Calling Line Identification Restriction)
		3-way conference
Network Management		Functionality:
		T.38, Echo cancellation G.168, VAD,
		Silence Suppression, Jitter Buffer, CNG
		Interop with main market softswitches
		SNMP V2 V3
		Web GUI
		TFTP
		Telnet
		TR069

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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.