

CL-8821CU-V2 is a WLAN 11AC and Bluetooth combo dongle, provides a single USB interface to host, which fully supports the features and functional compliance of IEEE 802.11ac/a/b/g/n standards, It supports up to 433Mbps for IEEE 802.11ac, CL-8821CU-V2 Bluetooth controller complies with Bluetooth core specification V4.2, and supports dual mode(BR/EDR+AMP+low Energy Controllers). It is backward compatible with previous versions including V2.1+EDR and v3.0+HS.Both BR/EDR and LE can operate simultaneously.

### FEATURES

- 1T1R 802.11n 2.4GHz WiFi speed up to max 150Mbps data rate.
- 1T1R 802.11ac 5GHz WiFi speed up to max 433Mbps data rate
- Complies with USB Specification 2.0
- Compatible with IEEE 802.11b/g/n/a/ac Specifications.
- Supports WPA, WPA2.



### SPECIFICATIONS

Model Name	CL-8821CU-V2
Product Name	WLAN (1T1R)AC and BT 4.2 Combo Dongle
Standard	IEEE 802.11ac / a / b / g / n / d / e / h / l Bluetooth v2.1+EDR/ v3.0/ v3.0+HS/ v4.2
Data Transfer Rate	WiFi:11ac mode up to 433Mbps 11n mode up to 150Mbps BT:Basic rate: 1Mbps and Enhanced data rate: 2, 3 Mbps
Modulation Method	CCK,DQPSK,DBPSK,BPSK,QPSK,16QAM,64QAM,256 QAM Bluetooth: 8DPSK, π/4 DQPSK, GFSK
Frequency Band	2.4GHz and 5GHz ISM Band
Receiver Sensitivity	-80dBm – 802.11b@11Mbps -71dBm – 802.11g@54Mbps -67dBm – 802.11n@MCS7_BW20 -64dBm – 802.11n@MCS7_BW40 -57dBm – 802.11ac@NSS1_MCS9_BW20 -54dBm – 802.11ac@NSS1_MCS9_BW40 -51dBm – 802.11ac@NSS1_MCS9_BW80 Bluetooth: -89dBm@1Mbps -90dBm@2Mbps -83dBm@3Mbps
LED	POWER
Security	WPA, WPA2
Power supply	USB / DC 5V
Operating Temperature	0 ~ 50° C ambient temperature
Storage Temperature	-10 ~ 70°C ambient temperature
Humidity	5 to 90 % maximum (non-condensing)
Dimension	22.3 x 15 x 8 mm (L x W x H)

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Our products only suitable for Document Camera application it improper be installed in other products and it's not usual consumers can replace Document Camera by themselves.

Specifications are subject to change without notice

## Warning

**15.19** 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.

### **15.105**

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.

### **15.21**

- Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.
- This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible

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.