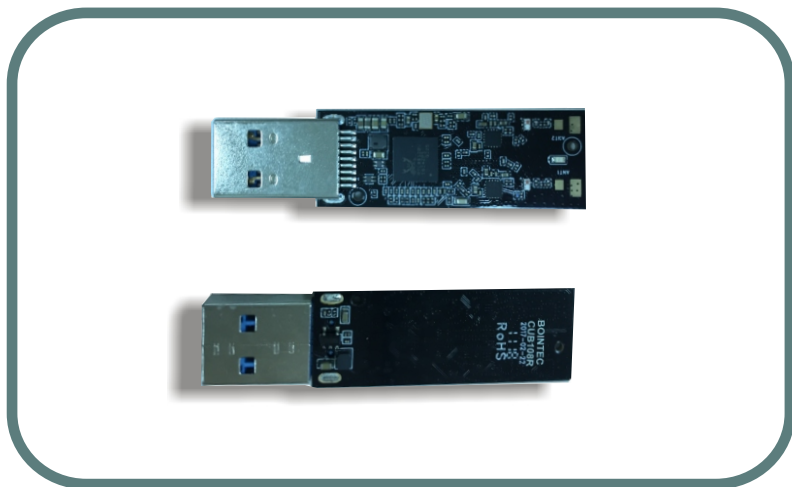


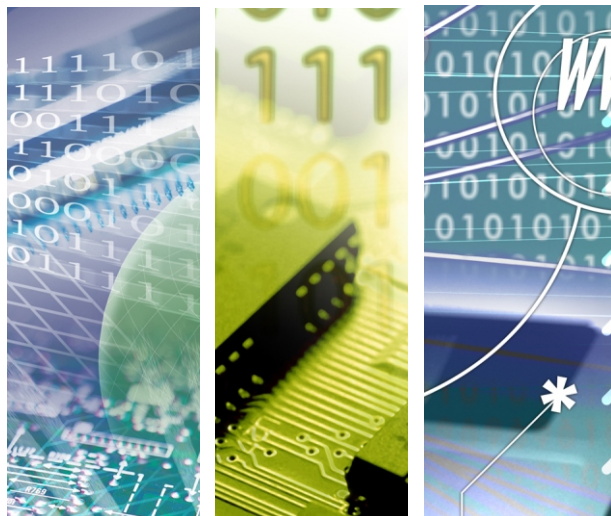


CUB108R

IEEE 802.11abgn/AC 2x2 USB dongle,



802.11 abgn/AC USB3.0 2T2R Dongle



CUB108R

Introduction of Products

Bointec CUB108R is a dual band 802.11ac/a/b/g/n Dual-Band WiFi USB 3.0 adapter. It is a 2T2R with 20/40/80MHz and 256-QAM to maximize bandwidth. CUB108R lets you move at the speed of life with faster speeds (up to 1200 Mbps), higher capacity, broader coverage and longer battery life. Dramatically reshapes your connected experience.

Bointec CUB108R incorporated with advanced security encryption, such as WEP, WPA, WPA2, and 802.1x for secure wireless connection.

Just need to connect it to computer USB slot, install driver, CUB108R will bring you unbelievable experience to surf the internet. CUB108R has great capacity for antenna signal. Wireless transmission rate reaches to 1200Mbps, the control range would be further, we can use it to surf the internet at all times and places. Bointec CUB108R WiFi adapter support mainstream system such as Windows XP/ Windows7/ Windows10/Linux/Mac, it meet all kinds of user requirement. Moreover, the USB3.0 interface makes the transmission rate more efficient.

Product Highlight

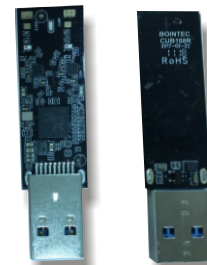
- Operates at ISM frequency Band(2.4/5GHz)
- IEEE 802.11 a/b/g/n/ac.
- Transmission rate up to 1200Mbps.
- USB3.0 interface, which makes the transmission rate more efficient.
- Powerful chip function, support mainstream operating system.
- Good for desktop PC, IPC or laptop.
- WiFi launch function, used for tablet computer and mobile phone. -WEP, WPA-PSK, WPA2-PSK (TKIP/AES) wireless security support.



Specification

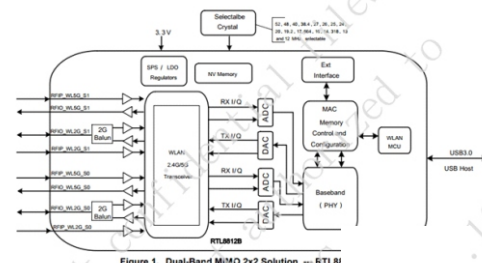
WiFi	
Standard	IEEE802.11ac, IEEE802.11a , IEEE802.11b , IEEE 802.11g , IEEE 802.11n
Bus Interface	USB 3.0
Main Chip	Realtek RTL8812BU-CG
Data Rate	802.11a: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11b: 11, 5.5, 2, 1 Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11n: MCS 0 to 15 for HT20MHz, MCS 0 to 15 for HT40MHz, 802.11ac: MCS 0 to 8 for HT20MHz MCS 0 to 9 for HT40MHz MCS 0 to 9 for HT80MHz
Media Access Control	CSMA/CA with ACK
Modulation Techniques	802.11ac: 256QAM, 64QAM, 16QAM, QPSK, BPSK 802.11a: 64QAM, 16QAM, QPSK, BPSK 802.11b: CCK, DQPSK, DBPSK 802.11g: 64QAM, 16QAM, QPSK, BPSK 802.11n: BPSK, QPSK, 16QAM, 64QAM
RF Output Power	2.4GHz: 802.11b : 18 dBm±1.5dB 2.4GHz: 802.11n : 14 dBm±1.5dB 5GHz: 802.11a : 12 dBm±1.5dB 5GHz: 802.11ac : 12 dBm±1.5dB (for detail, check specification document)
RF Sensitivity	11a,20MHz:- MCS=0 PER @ -90 dBm, typical 11n,20MHz:- MCS=0 PER @ -90 dBm, typical 11b,20MHz@8%PER:- 11Mbps PER @ -91 dBm, typical (for detail, check specification document)
Network Architecture	Ad-hoc mode (Peer-to-Peer) Infrastructure mode
Security	WEP 64&128bit, WPA, WPA-PSK, WPA2, WPA2-PSK, WPS, IEEE 802.1X, IEEE 802.11i
Driver support	
OS Supported	Windows XP (32/64) ; Vista (32/64) ; Windows 7 (32/64) ; Windows 8 (32/64) ; Windows 8.1 (32/64) ; Windows 10 (32/64) ; Linux 2.6 or above version ; Mac 10.11 or lower version.
Electronics characteristics	
Operating Voltage	5V/1A ±5% I/O supply voltage
Dimansion	55.00mm x 15.00mm x 4.00mm(PCB-A)
Antenna Type	wire-out or U.FL connectors x 2
Operating Temperature	-10° ~ +60°C
Storage Temperature	-20° ~ +86°C
Operating Humidity	5%~95%, non-condensing
Storage Humidity	5%~95%, non-condensing
Certifications	
CE (Eurpoe)	Yes
FCC	Yes
RoHS	Yes

Product quick glance



ME Drawing/placement

Block diagram



Ordering Information

PART NUMBER	DESCRIPTION
TFGA-CUB801R0-11	Finished good non packing, Bointec, CUB108R

Bointec Authorized Distributer



TAIJET BOINTEC CO LTD
3F, #196-7, Sec. 3 Da-Tong Rd., Xizhi,
New Taipei City, 22103, Taiwan
TEL: +886-2-2759-0081 EMAIL: contact@bointec.com
WWW.BOINTEC.COM

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