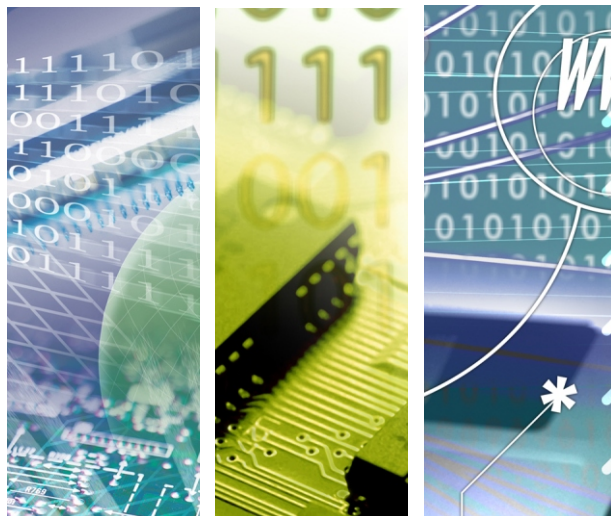# CUB902K
IEEE 802.11a/b/g/n WiFi USB module

CUB902K

Cost-effective Dual Band WiFi USB Module.

Introduction of Products

Taijet Bointec CUB902K is a WLAN module supporting IEEE 802.11a/b/g/n standards with 7-pin connector using by USB2.0 interface. This is a small form factor and low cost compact WLAN module designed for the wireless connectivity. This module operates in 2.4GHz and 5GHz dual band frequency.It applies a highly integrated MAC/BBP and RF/PA/LNA single chip RT5572 with 300Mbps PHY rate supporting
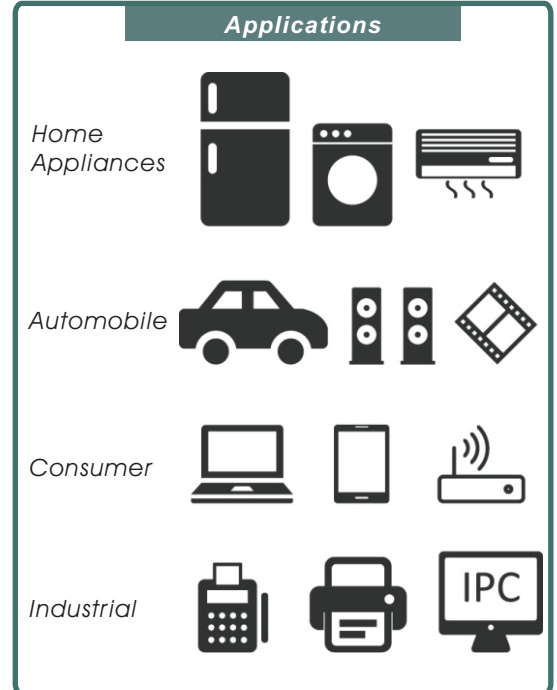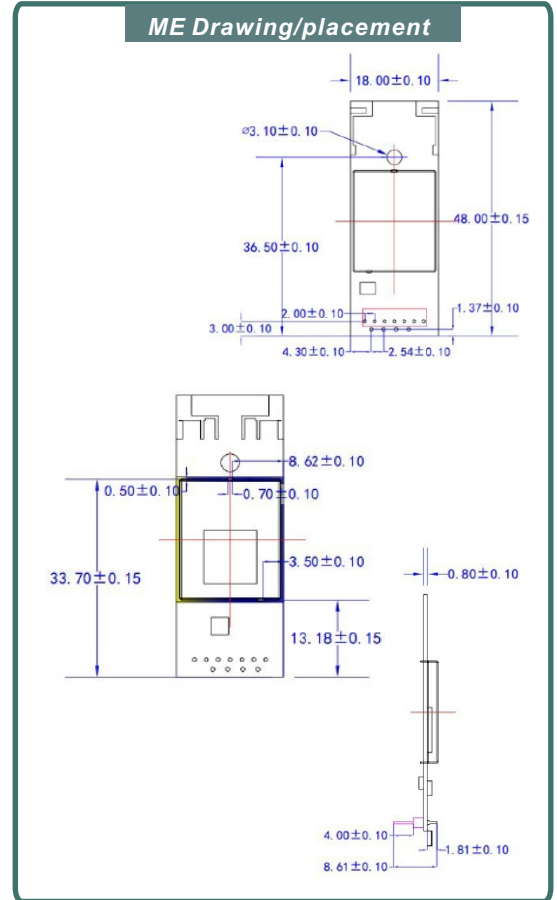
Product Highlight

- 20MHz/40MHz bandwidth, support 2T2R mode in 2.4GHz and 5GHz .
- 802.11a: 6, 9, 12, 24, 36, 48, 54Mbps; 802.11b: 1, 2, 5.5, 11Mbps; 802.11g: 6, 9, 12, 24, 36, 48,54Mbps ; 802.11n: Support PHY rate up to 300Mbps.802.11n: Support PHY rate up to 300Mbps.
- Support Soft-AP; QoS-WMM, WMM-PS; WiFi Direct
- WPS pin, LED indicates WiFi link & activity;
- Multiple BSSID support; Power management.
- Support Wi-Fi Direct native hardware layer
- RoHS compliant

BOINTEC_WFI_CUB902K_ENG_v0.3

Specification:

CUB902K	
Operation Frequency	2412~2483.5MHz, 4.915~5.825GHz (Different country adopts different frequency)
Protocols	802.11b: CCK, QPSK, BPSK, 802.11a/g/n: OFDM
Antennas	Two outputs to two dual band external antennas
Security	WEP 64/128, WPA/WPA2/WAPI, TKIP/AES; WPS/WPS2:PIN, PBC
Typical Transmit Power (Antenna feed point)	802.11b(CCK) 11Mbps: 17+/-1dBm
	802.11g (OFDM) 54Mbps: 15+/-1dBm
	802.11a (OFDM) 54Mbps: 11+/-1.5dBm
	802.11n (HT20@MCS7), 13+/-1dBm; (HT40@MCS7), 12+/-1dBm
Receive Sensitivity (Antenna feed point)	802.11b: -88+/-1dBm; 802.11g: -73+/-1dBm
	802.11n (HT20), -71+/-1dBm; 802.11n (HT40), -68+/-1dBm
	802.11a: -70+/-1dBm
Operating Voltage/current	5.0VDC ± 5% ; <350mA @802.11n,HT40 ;
	or 3.3VDV± 5% <500mA, @802.11n,HT40
	5.0VDC ± 5% ; <450mA @802.11a,HT40 ;
	or 3.3VDV± 5% <630mA, @802.11a,HT40
Host interface	USB 2.0
Interface	7-pin or 4-pin, 2.0mm, or 4-pin 2.54 mm pitch pin header
Dimensions/Weight	48x18mm / 3.6g

Software and System driver supported			
Operation System	Linux 2.4/2.6	Windows XP/Vista/7/8	Mac OS X 10.4~10.8	Android 4.0
CPU Supplier	ARM, MIPSII	X86 Platform	N/A	N/A
Driver	Available	Available	Available	Available

Temperature	
Operating Temperature	-10℃ to +50℃.
Storage Temperature	-20℃ to +80℃.

Humidity	
Operating Humidity Conditions	20% to 80% (non-condensing).
Non-Operating Humidity	20% to 80%

Applications

Home Appliances

Automobile

Consumer

Industrial

Bointec Authorized Distributer