

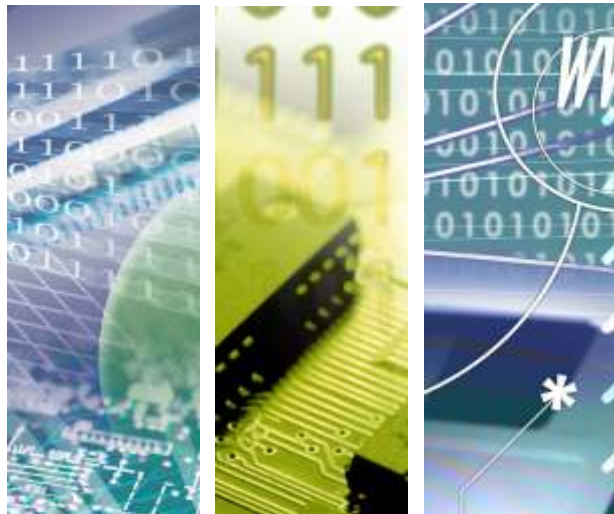


CUB902K

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



Cost-effective Dual Band WiFi USB Module.



CUB902K

Introduction of Products

Taijet Bointec CUB902K is a WLAN module supporting IEEE 802.11 a/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

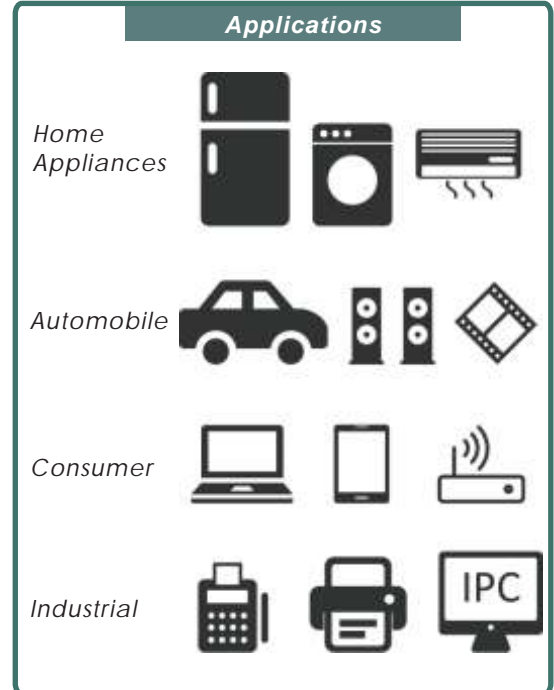
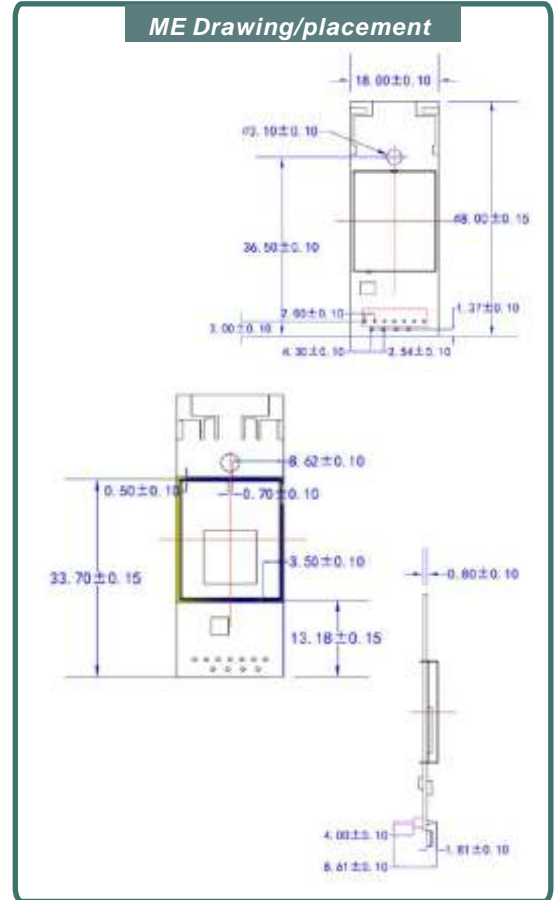
Product Highlight

- ? 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



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
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%



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