CUB901K
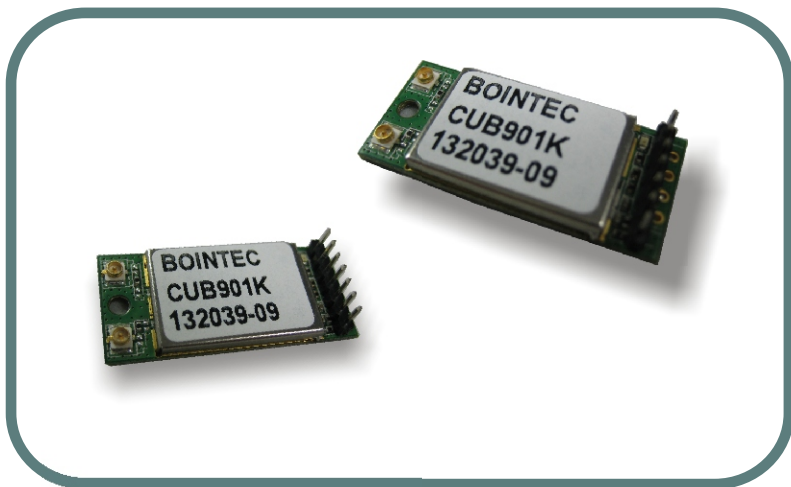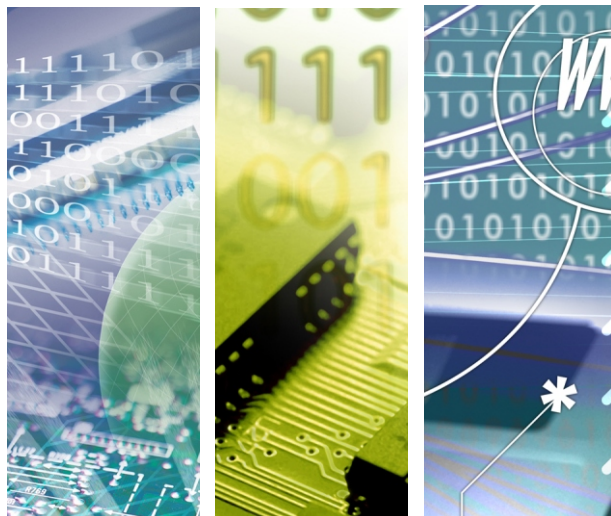## IEEE 802.11a/b/g/n Wifi-USB industrial module

CUB901K

Ultra 2.4GHz bgn industrial module

Introduction of Products

Bointec CUB901K 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. It fully complies with IEEE802.11n draft 3.0 and IEEE802.11a/b/g feature.

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.

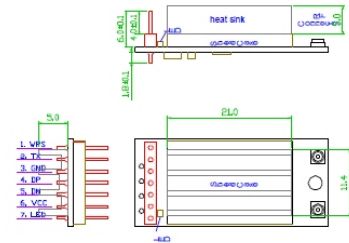* Support Wi-Fi Direct native hardware layer

* RoHS compliant

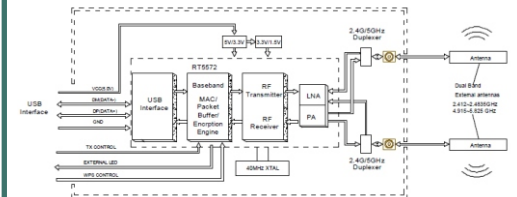| Main Chipset	Ralink RT5572N
Operation Frequency	2412~2483.5MHz,4.915~5.825GHz (Different country adopts different frequency)
Protocols	802.11b: CCK, QPSK, BPSK, 802.11a/g/n: OFDM
Antennas	Two outputs to two dual band external antennas
Security	WEP 64/128, WPA/WPA2/WAPI, TKIP/AES; WPS/WPS2:PIN,PBC
Typical 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	33x15mm / 4.6g

Product quick glance

ME Drawing/placement

Block diagram

Bointec Authorized Distributer

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BOINTEC TAIWAN
We are Your Partner more than Business