CUB807K 802.11b/g/n USB2.0 module,1T1R

Bountee





802.11bgn, USB2.0, module, 1T1R, without enclosure, PH2.0 header 1*7

Introduction of Products

Bointec CUB807K is a cost-effective WLAN adapter based on 7-pin connector with USB2.0 interface. It supports USB 2.0 standard interface. The CUB811K adapter is designed to operate in 2.4GHz frequency and fully complies with IEEE 802.11b/g and 802.11n standards based on 1T1R technology. CUB807K operates in 2.4GHz ISM frequency band with low power consumption; it applies a highly integrated MAC/BBP and RF single chip MT7601U with 150Mbps PHY rate supporting.

Bointec CUB807K is based on the MT7601U MAC/BBP, RF/PA/LNA single chip is used to deliver highperformance of the latest Wi-Fi technology, including software driver support for Windows 7, Vista 32/64, XP 32/64, 2000 and Linux. The small form factor and low cost design provide excellent performance for the wireless connectivity.

Product Highlight

- -802.11b: 1, 2, 5.5, 11Mbps;
- -802.11g: 6, 9, 12, 24, 36, 48, 54 Mbps;
- -802.11n: Support PHY rate up to 150Mbps.
- -Support Soft-AP, QoS-WMM and WMM-PS
- -Support WiFi Direct
- -Security support for 64/128 WEP,
- -WPA, WPA2, WAPI and WPS
- -Multiple BSSID support
- -RoHS Compliant



Specification

General		
Main Chipset	MediaTek MT7601U	
Device Interface	USB 2.0, 7 PCB Semi-holes	
RF output	External antenna Via I-PEX MHF receptacle or Built-in On Board	
Dimensions	28x14mm	
Weight	1.75g	
WLAN		
Operation Frequency	2412~2483.5MHz, ISM band (Depends on country region)	
Operation Channel	Ch1~14 (Depends on country region)	
Protocol	802.11b: CCK, QPSK, BPSK, 802.11g/n: OFDM	
Security	64/128 WEP, WPA/WPA2, WFA, WPS2.0, WAPI	
Others	QoS: WFA,WMM,WMM PS; WiFi Direct	
RF Characteristics (Typical)		
Antenna	External antenna Via I-PEX MHF receptacle	
Transmit Power	802.11b (CCK) 11Mbps: 18+/-1dBm	
	802.11g (OFDM) 54Mbps: 16+/-1dBm	
	802.11n (HT20@MCS7), 14+/-1dBm	
	802.11n (HT40@MCS7),14+/-1dBm	
Receive Sensitivity	802.11b: -88+/-1dBm;802.11g: -72+/-1dBm	
	802.11n (HT20), -70+/-1dBm; 802.11n (HT40), -68+/-1dBm	
DC Characteristic (Typical)		
Operating Voltage	3.3VDC +/-5%	
Current consumption:	Normal operation (Average): <80mA	
	Sleep mode: 1.5 mA: 1.5 mA	
	TX HT40,MCS7@16dBm:210mA	
	TX CCK:250mA	
	RX Listen:6mA	
Operation System Driver		
Linux 2.4/2.6 Draft		
Android 4.1		
WindowsXP/Vista/7/8		
Windows10		
Environment		
Operating Temperature	-12°C to +70°C	
Storage Temperature	-20°C to +85°C	
Humidity	20% to 80% (non-condensing)	



Ordering Information

PART NUMBER	DESCRIOPTION
TFGA-CUB807K0-11	finished non packaing,Bointec,CUB807K
T.CUB807K-DK	CUB807K Development Kit





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