



DUB811R

USB 802.11N Wireless LAN with Bluetooth USB Adapter

Product Introduction

Bointec DUB811R USB adapter is a highly integrate solution to 802.11n with Bluetooth 2.1 / 3.0 / 4.0 and with ultra-tiny size. It provides good coordination to good coexistence performance between 802.11 and Bluetooth.

Key Features

WiFi

- Comply with IEEE 802.11b/g/n standards
- High transfer data rate – up to 150Mbps
- Supports 64/128-bit WEP, WPA, WPA2 and IEEE802.1x functions for high level of security.
- Support the most popular operating system: Windows 7 / 8, Linux
- Supports USB 2.0/1.1 interface.
- Supports software WPS (WiFi Protected Setup) connection.
- Supports WMM wireless QoS feature.

Bluetooth

- Bluetooth v4.0 Dual Mode support : Simultaneous LE and BR/EDR
- Bluetooth Class 1 radio
- Compatible with Bluetooth v2.1 and v3.0
- Bluetooth v3.0 +HS compliant
- Supports Secure Simple Pairing
- Supports AFH to dynamically detect channel quality to improve transmission quality
- Enhanced BT/WiFi Coexistence control to improve transmission quality in difference profiles
- Supports Low Power Mode (Sniff / Sniff Sub rating / Hold / Park)
- Supports 4 Pico nets in a scatter net

Product Specification

Standards	IEEE 802.11b/g/n
Bus Type	USB 2.0 Type A
Frequency Range	2.4000~2.4835GHz (Industrial Scientific Medical Band)
Data Rate	11b: 1/2/5.5/11Mbps 11g: 6/9/12/24/36/48/54Mbps 11n (20MHz): MCS0-7, up to 72Mbps 11n (40MHz): MCS0-7, up to 150Mbps
Receiver Sensitivity	11b@11Mbps: -79±2dBm 11g@54Mbps: -65±2dBm 11n(20MHz)@MCS7: -64±2dBm 11n(40MHz)@MCS7: -61±2dBm
Output Power	11b: 16±1.5dBm , 11g: 14±1.5dBm, 11n: 12±1.5dBm
Bluetooth	Class 1 radio, supports BT v4.0/ 3.0/ 2.1
Security	WEP 64/128, WPA, WPA2 and IEEE 802.1x
Antenna	Internal Antenna x 1 (1T1R)
Drivers	Windows 7 / 8 / 10, Linux
LED	Blue : Link/Activity (Bluetooth) x1 Green : Link/Activity (Wireless LAN) x1
Size	7.1(H) x 14.9(W) x 18.5(D) mm
Operating Environment	Operating temperature:0°C ~ 40°C Storage Temperature:- 20°C ~ 60°C Operating humidity: 10% ~90% RH, noncondensing Storage humidity: Max. 95% RH, noncondensing
Certification	CE