

802.11b/g/n 1T2R USB Dongle

Product Introduction

This Wireless Local Area Network(WLAN) 802.11 b/g/n USB dongle, by inserting a PC USB socket and connecting a wireless access point through wireless interface, can provide the transmission of broadband data service, which are suitable for using in a wide range of both residential(at-home) and commercial (offices, apartments, hotels, warehouses) network applications. It gives you a blazing fast connection to the internet, far fast and more convenient. This USB dongle is a high-performance wireless access tool, and can support downstream data rate up to 300Mbps and upstream data rate up to 150Mbps.

This device can enable a computer or device to support 802.11 b/g/n Wi-Fi. Within Wi-Fi network, a computer or device can be connected to your Internet Service Provider (ISP) . It fully support industry standard compliant security 802.11i , Dynamic Frequency Selection(DFS) and Transmit Power Control(TPC) 802.11h, Quality of Service (QoS) 802.11e.

Applications

- Personel computer
- Lamptop computer
- The small enterprise Applications
- TV over IP (IPTV)
- Voice over IP (VoIP)
- Higher data rate wireless broadband access
- Network and online gaming



Compliance Certificates:

- WHQL
- Wi-Fi Certification
- Cisco CCX
- FCC Class B
- CE Mark

Feature

- USB 1.1/2.0 interface
- IEEE802.11 compatible b/g/n
- Antenna configurations: 1T2R Modes
- Support 64/128-bit WEP, 802.1x, WPA, and WPA2 for wireless security
- Support 802.11e wireless multimedia Qos
- Widely wireless signal rates: 54, 48, 36, 24, 18, 12, 9, 6 Mb/s for 802.11 g; 11, 5.5, 2, 1 Mb/s for 802.11b;
- 11n downstream(20MHz): MCS0-15, 32 with Short Guard Interval Support (up to 144Mbps)
- 11n downstream (40MHz): MCS0-15, 32 with Short Guard Interval Support (up to 300Mbps).
- 11n upstream(20MHz): MCS0-7, 32 with Short Guard Interval Support (up to 72Mbps)
- 11n upstream (40MHz): MCS0-7, 32 with Short Guard Interval Support (up to 150Mbps).
- UDP throughput: up to 124Mbps

External Connectors

1 USB 1.1/2.0 port

Protocol Feature

IEEE 802.11b

IEEE 802.11g

IEEE 802.11n draft 2.0

IEEE 802.11e

IEEE 802.11i

802.11d

802.11h

802.11j

Wireless Feature

Compatible with IEEE 802.11 b/g, 802.11n draft 2.0

Support 64/128-bit WEP, 802.1x, WPA, and WPA2 for wireless security

Support RTS/CTS, Fragmentation and Defragmentation function

Support BSS and IBSS mode

Support WMM, WMM-PS

Support Multiple BSSID

Block Ack

Reverse Direction Data Flow

Link Adaptation

Hardware WEP, TKIP, AES Engines

WPA1/2 – PSK (WPA Home), WPA1/2 – 802.1x (WPA Enterprise)

EAP – TLS, TTLS, LEAP, PEAP

Roaming

Wireless Frequency Range, 2.4 ~ 2.4845GHz ISM Band,

Radio and Modulation Type. IEEE 802.11b: DQPSK, DBPSK, DSSS, and CCK ; IEEE 802.11 g: BPSK, QPSK, 16QAM, 64QAM ; IEEE 802.11n: MCS0~MCS15, MCS32;

Transmission distance. 300 meters Outdoors, 100 meters Indoors coverage area

Internal Antenna 2dBi

Transmission power. 802.11b: Typ. 18 dBm @Normal Temp Range; 802.11g: Typ. 15 dBm

@ Normal Temp Range, 802.11g: Typ. 13 dBm @ Normal Temp Range,

OS Support

Win98/SE /ME, Win2000/XP, WinVista

MAC 10.3/10.4

Linux kernel 2.4/2.6

Environment

Operating temperature: 0°C to 40°C

Storage temperature: -20°C to 70°C

Operating Humidity: 10%~95% no freezing

Storage humidity: 5%~95% no freezing