



USB-R2430T5

802.11n/b/g 1W USB Adapter with 5dBi Antenna

- ✦ 1000mW (30dBm) Power Adjustable, 5dBi detachable Antenna
- ✦ Connects at a full 150Mbps via USB 2.0, up to 8 times faster than a USB 1.1 adapter
- ✦ High gain antenna upgradeable
- ✦ Compact size for greater flexibility
- ✦ Also compatible with USB 1.1 desktop and notebook computers
- ✦ Plug-and-Play Compatible with windows 98SE, 2000, Millennium, XP and Linux
- ✦ High security 64/128bit WEP Encryption, TKIP, WPA, WPA2, TKIP, AES



USB-R2430T5 is compliant with IEEE802.11n draft 2.0 standard and backward with IEEE802.11b and IEEE802.11g. Supports 1T1R with data rate up to 150Mbps DL/UL, this reliable and cost effective USB Adaptor let you to transfer 8 times faster than a USB 1.1 adapter. Comes with an RP SMA Connector, the antenna can be removed for replacement of higher gain antenna for signal enhancement and broader wireless coverage. With adjustable power from 100mW to 1000mW, the device allows your PC to search the surrounding AP faster and easier.

TraNet Technologies Corp

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Specification

Standard

- IEEE 802.11g/b, 802.11n draft 2.0

Chipset

- RT3070L

Interface

- USB rev. 2.0 mini USB

Frequency Band

- 2412 ~ 2462MHz (N.A)
- 2412 ~ 2472MHz (EU)
- 2412 ~ 2484MHz (Japan)

Data Modulation Type

- BPSK, QPSK, CCK and OFDM

Data Rate

- 802.11b: 11Mbps
- 802.11g: 54Mbps
- 802.11n draft 2.0: 150Mbps

Channel

- 1~11 Channels (North America)
- 1~13 Channels (General Europe)
- 1~14 Channels (Japan)

Emission Type

- DSSS/OFDM

Security

- WEP 64/128
- 802.1X support
- Wi-Fi Protected Access (WPA)
- WPA-PSK
- WPA II

RF Output Power

- 20~30dBm (100mW~1000mW), RF power adjustable

Sensitivity

- for 802.11b
 - 1, 2 Mbps (BPSK, QPSK): -96dBm
 - 11 Mbps (CCK): -91dBm
(Typically @PER<8% packet size 1024 and @25°C +5°C)
- for 802.11g
 - 54Mbps (64QAM): -76dBm
 - 48Mbps (64QAM): -71dBm
 - 36Mbps (16QAM): -78dBm
 - 24Mbps (16QAM): -80dBm
 - 18Mbps (QPSK): -81dBm
 - 12Mbps (QPSK): -82dBm
 - 9Mbps (BPSK): -85dBm
 - 6Mbps (BPSK): -91dBm
(Typically @PER<10% packet size 1024 and @25°C +5°C)
- for 802.11n
 - 802.11n (20MHz): -76+2dB @65Mbps
 - 802.11n (40MHz): -74+2dB @135Mbps

Frequency Stability

- within +10 ppm

Power

- Voltage: 5V±5%

Antenna

- One detachable 5dbi Dipole Antenna

One LED

- Power/Status
- Wireless Act.

Dimension (mm)

- 68 x 36 x 15mm

Operation Temperature

- 0°C ~ 55°C ambient temperature

Storage Temperature

- -10% ~ 65% ambient temperature

Humidity

- 5% ~ 98% (Non-condensing)

Driver support

- Windows XP 32/64, 2000, Vista 32/64, Linux 2.6, Mac 10.4, Support S/W AP

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