Wi-Fi USB Nano Adapter N

Part Number: LM006

Overview

The LM006 Wi-Fi USB Nano Adapter is a WLAN 11n mini dongle, which fully supports the features and functional compliance of IEEE 802.11n,e and i standards. It supports up to 150Mbps high -speed wireless network connections.

It is designed to provide excellent performance with minimum power consumption and enhance the advantages of robust system and cost-effective. It is targeted at competitive superior performance, better power management applications

The LM006 is a convenient plug and play USB 2.0 adapter solution bringing wireless networking to your laptop or desktop PC.

The LM006 can be used on its own or as part of a kit with the LM007 Wlan Pocket Router N

Features

* Operates in 2.4 GHz frequency bands

Freq.	Frequency
2.4 GHz	2.312-2.472 GHz, 2.484 GHz

* 1x1 SISO technology improves effective throughout and range over existing 802.11 b/g products

* Data rates up to 150Mbps

* 802.11e-compatible bursting and I standards

* BPSK, QPSK, 16 QAM, 64 QAM modulation schemes

* WEP, TKIP, and AES, WPA, WPA2 hardware encryption Schemes

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Technical Specification

Chipset Manufacturer	Realtek
Chipset	Realtek RTL8188SU
Standard	802.11b/g/n, 802.3, 802.3u
Data Transfer Rate	1,2,5.5,6,11,12,18,22,24,30,36,48,54,60,90,120 and maximum of 150Mbps
Modulation Method	BPSK/ QPSK/ 16-QAM/ 64-QAM
Frequency Band	2.4GHz ISM Band
Spread Spectrum	IEEE 802.11b: DSSS (Direct Sequence Spread Spectrum) IEEE 802.11g/n: OFDM (Orthogonal Frequency Division Multiplexing)
RF Output Power	< 14dBm@11n,< 17dBm@11b,< 14dBm@11g
Operation Mode	Ad hoc, Infrastructure
Receiver Sensitivity	11Mbps -80dBm@8%, 54Mbps -70dBm@10%, 130Mbps - 64dBm@10%
Operation Range	Up to 180m in open space
LED	Power
OS Support	Windows XP /Vista /Mac 10.4 & 10.5 /Linux Ubuntu 8.04
Security	64 bit/128 bit WEP, TKIP, AES, WPA, WPA2
Interface	USB 2.0
Power Consumption	Transmit: around 305 mA Receive: around 190 mA
Operating Temp	0 – 50° C ambient temperature
Storage Temp	-10 ~ 70°C ambient temperature
Humidity	5 to 90 % maximum (non-condensing)
Dimension	30x14x6mm (LxWxH)

Features

- Operates in 2.4 Ghz frequency bands, 2.312-2.472 Ghz, 2.484 Ghz

- 1x1 SISO technology improves effective throughput and range over existing 802.11 b/g products

- Support wireless data encryption with WEP, TKIP, and AES, WPA, WPA2 hardware encryption schemes

- Support infrastructure networks via access point and ad-hoc network via peer-peer communications

- Friendly user configuration and diagnostic utilities

- High speed USB 2.0 interface

Contact

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