



## **LM-006**                      **802.11n 150Mbps Micro Wi-Fi USB Adapter**

### **Worlds Smallest**

The LM006 Micro Wi-Fi USB adapter is a convenient Plug & Play USB 2.0n solution that brings wireless networking to your laptop or desktop PC. With transfer rates of up to 150 Mbps you can connect to a wireless network at home, at the office or in any wireless hotspot.

Now you can stay connected wherever you are and wherever you go. Its small form factor (2.3cm long) means you can leave it connected to your laptop even when stored away.

Supports the features and functional compliance of IEEE 802.11n standard. The dongle is designed to provide good performance with minimum power consumption and enhance the advantages of a robust system while being cost effective.

The LM006 is targeted at competitive superior performance, better power management applications.

The LM006 is compatible with other 802.11b / 802.11g or 802.11n Wi-Fi compliant devices such as wireless router, access point or adapter.



### **Product Features:**

- Provides 802.11b/g and n wireless networking to all desktop and laptop computers
- Fits any industry standard USB slot (compatible with USB interface versions 1.0, 1.1 and 2.0)
- Compatible with all 802.11b, 802.11g and 802.11n devices
- Supports 64 bit and 128 bit WEP wireless data encryption
- Supports WPA enhanced wireless data encryption
- Can be setup as a infrastructure network via a router/access point
- Can be setup as a ad-hoc network via peer to peer communications
- Friendly user configuration and diagnostic utility
- Profiles allows mobile users to save settings for different connections

The LM006 is supported on Windows XP, Vista, Windows 7, Mac OS X 10.4 - 10.7, and Linux v3.0



## LM-006

## 802.11n 150Mbps Micro Wi-Fi USB Adapter

### Technical specification

#### OS Compatibility:

- Windows XP 32bit & 64bit, Vista 32bit & 64bit, Windows 7 32bit & 64bit, Mac OS 10.4 -10.7, Linux 3.0

#### Data Rate:<sup>1</sup>

- Up to 150 Mbps
- 802.11b: 11, 5.5, 2 & 1 Mbps
- 802.11g: 90, 60, 54, 48, 36, 30, 24, 22, 18, 12, 11, & 6Mbps
- 802.11n: 300, 270, 240, 180 and 120Mbps
- Compatible with IEEE 802.11b / IEEE 802.11g and IEEE 802.11n

#### Encryption:

- 64-bit / 128-bit WEP, WPA, WPA2, TKIP, AES

#### Physical Specification:

- Chipset: Realtek RTL 8188CUS
- Interface: High Speed USB 2.0
- Antenna: On board chip antenna
- Height: 8 mm
- Length: 23 mm
- Width: 16 mm
- Weight: 5 grams

#### Environmental Specifications:

- Transmission Class: Class 1 - up to 300 meters
- Operating Temperature: 0°C to +50°C
- Operating Range:<sup>2</sup> Indoors: Up to 100m (328 feet),  
Outdoors: Up to 300m (984 feet)

#### Power Consumption:

- Transmit: <380 mA
- Receive: <250 mA
- Transmitter Power: 17 dBm at 11b, 14dBm at 11g, 14dBm at 11n
- Receive Sensitivity: 11Mbps: -80dBm@8% FER
- Modulation Method: BPSK / QPSK / 16-QAM / 64-QAM / DBPSK / DQPSK / CCK

#### Warranty:

- 12 months warranty

#### Certification:

- CE, FCC and RoHS

#### System Requirements

- Pentium Class PC
- Available USB port
- Windows XP, Vista, Win 7, Mac OS 10.4 - 10.7, Linux v3.0
- 23 Mbytes of free hard disk space

#### Package Contents

- LM Technologies Wi-Fi USB Adapter
- CD-ROM with drivers and documentation
- Quick Install Guide

#### LM Technologies Related Products

- LM005 300Mbps Wi-Fi USB Adapter
- LM009 Wi-Fi 3G Pocket Router

#### Retail Specification:

- Package Height: 15mm
- Package Length: 150mm
- Package Width: 160mm
- Package Weight: 72 grams

- EAN: 5055454010049

- Carton Qty: 100
- Net Weight: 7.50 Kg
- Gross Weight: 8.4 Kg
- Carton Dimension:  
Length: x Width: x Height: Available on Request  
Volumetric: Available on Request

#### Notes:

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1 Maximum wireless data rate derived from IEEE standard 802.11b, 802.11g and 802.11n specifications. Actual throughput will vary. Network conditions and environment factors, including volume of network traffic, building materials and construction, and network overhead lower actual data throughput rate.

2 Environmental conditions may affect wireless signal range.