



LM005 WLAN n USB Adapter 300Mbps

With Built-in WPS Button 802.11 b/g/n/e/i

Product LM005
 Part No 005-1005
 Revised 04/NOV/2015



Features

- Operates in 2.4 GHz band.
- Frequency 2.312 -2.472 GHz, 2.484 GHz.
- Data Rates of up to 300 Mbps.
- WPS button (Wi-Fi Protected Setup) for easy and secure establishment in a wireless network.
- 802.11e-compatible bursting and I standards.
- BPSK, QPSK, 16 QAM, 64 QAM, DBPSK, DQPSK, and CCK modulation schemes.
- WEP, TKIP, and AES, WPA, WPA2 hardware encryption schemes.
- Supports soft AP for Windows XP, VISTA, Windows 7, Linux and MAC OS v10.4, v10.5 and v10.6
- Supports infrastructure networks via access point and ad-hoc network via peer to peer connections
- Up to 280m range in open space.



Overview

The LM005 is a WLAN 802.11n USB Adapter, which fully supports the features and functional compliance of IEEE 802.11n, e and i standards. It supports up to 300 Mbps high speed wireless network connections.

It is designed to provide excellent performance with minimum power consumption and enhance the advantages of a robust system and cost-effectiveness. With built-in WPS button to simplify the process of configuring security on wireless networks, it offers competitive superior performance, better power management for applications.



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Packaging Options

SRP - Single Retail Pack
 Part No 005-1002

AO - Adapter Only
 Part No 005-1005

1 x WLAN USB Adapter.

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- User Guides, Manuals and Widcomm Configuration Software available to download via our website - <http://www.lm-technologies.com/support/downloads>

General Specification

Product Name	LM005
Chipset	RTL 8191SUPoint-to-Point
Standard	802.11 b/g/n, 802.3, 802.3uD_SUB 9 pin female
Data Transfer Rate	1,2,5.5,6,11,12,18,22,24,30,36,48,54,60,90,120,180,240,270 and maximum of 300 Mbps
Modulation Method	BPSK/QPSK/16-QAM/64-QAM/DBPSK/DQPSK/CCK
Frequency Band	2.4 GHz ISM Band
Spread Spectrum	IEEE 802.11b: DSSS (Direct Sequence Spread Spectrum) IEEE 802.11g/n: OFDM (Orthogonal Frequency Division Multiplexing)
RF Output Power	<14 dBm @ 11n, <17 dBm @ 11b, <14 dBm @ 11g
Operation Mode	Ad Hoc, Infrastructure
Receiver Sensitivity	11 Mbps -80dBm@8%, 54 Mbps -70dBm@10%, 300 Mbps -64dBm@10%
Operation Range	Indoor up to 100m, Outdoor up to 280 mMax
LED	Power
Security	64 bit/ 128 bit WEP, TKIP, AES, WPA, WPA2 WPS button for easy and secure establishment of a wireless network
OS Support	Win XP/ Win VISTA/ Win 7/ Linux (kernel 2.6.18 ~ 2.6.29) / Mac OS v10.4, v10.5, v10.6
Interface	USB 2.0
Power Consumption	Transmit: around 380 mA Receive: around 250 mA
Operating Temperature	0°C to +50°C ambient temperature
Storage Temperature	-10°C to +70°C ambient temperature
Humidity	5 to 90% maximum (non-condensing)
Dimension	52.3mm (L) x 24.4mm (W) x 9.9mm (H)



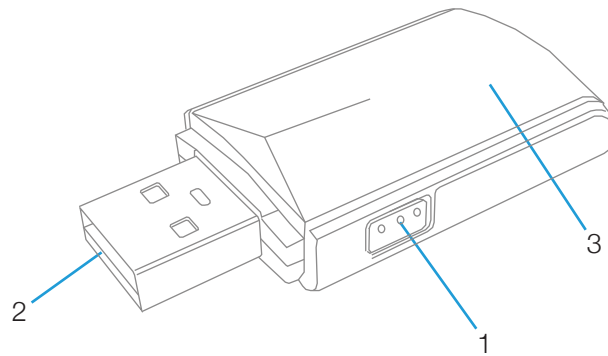
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Hardware Structure

- 1 Push Switch.
- 2 USB Connector.
- 3 Compact Casing.



Switch Functions

Reset Button

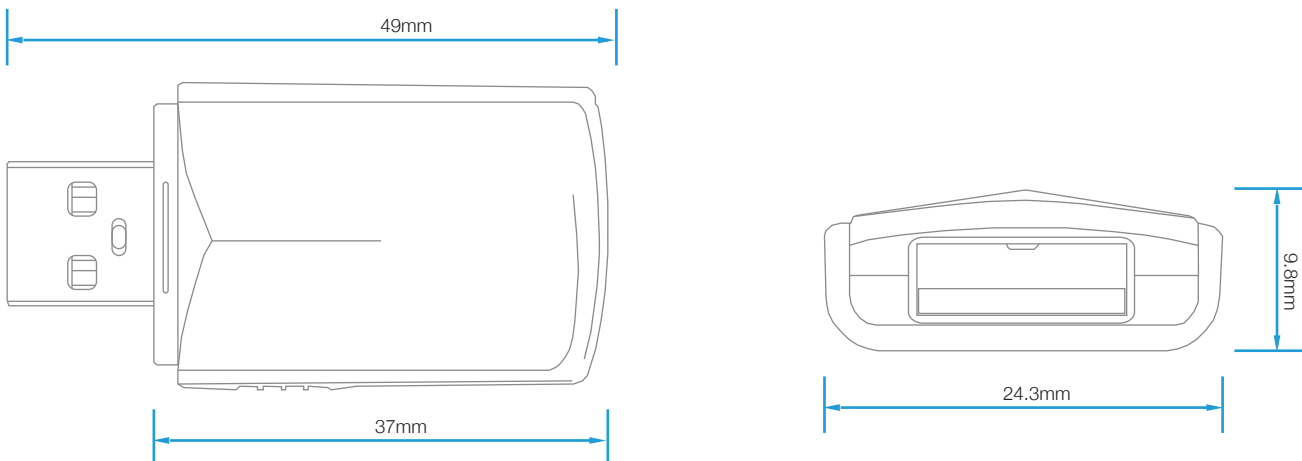
By pressing the Reset Button you can:

- Disconnect a wireless connection (after a short press).
- Restore the factory settings (after over 3 seconds press).

Slide Switch

The slide switch can swap TxD/RxD, RTS/CTS and DTR/DSR Signals. By switching, you can set the adapter as a DTE (towards antenna connector) or a DCE (towards RS232 connector).

Additional Dimensions





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Additional Information

