



## LM005 802.11n WLAN USB Adapter

Product: LM005  
Part No: 005-1005

### 1 Overview

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 upto 300 Mbps 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-effectiveness. With built-in WPS button to simplify the process of configuring security on wireless networks. It is targeted at competitive superior performance, better power management applications.



### 2 Features

- Operates in 2.4 GHz band

Frequency Band	Frequency
2.4 GHz	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 of 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
- Support soft AP for Windows XP, VISTA, Windows 7, Linux and MAC OS v10.4, v10.5 and v10.6
- Support infrastructure networks via access point and ad-hoc network via peer to peer connections
- Up to 280m range in open space

### 3 Packaging Options

AO - Adapter Only

Part No 005-1005

1x WLAN USB Adapter



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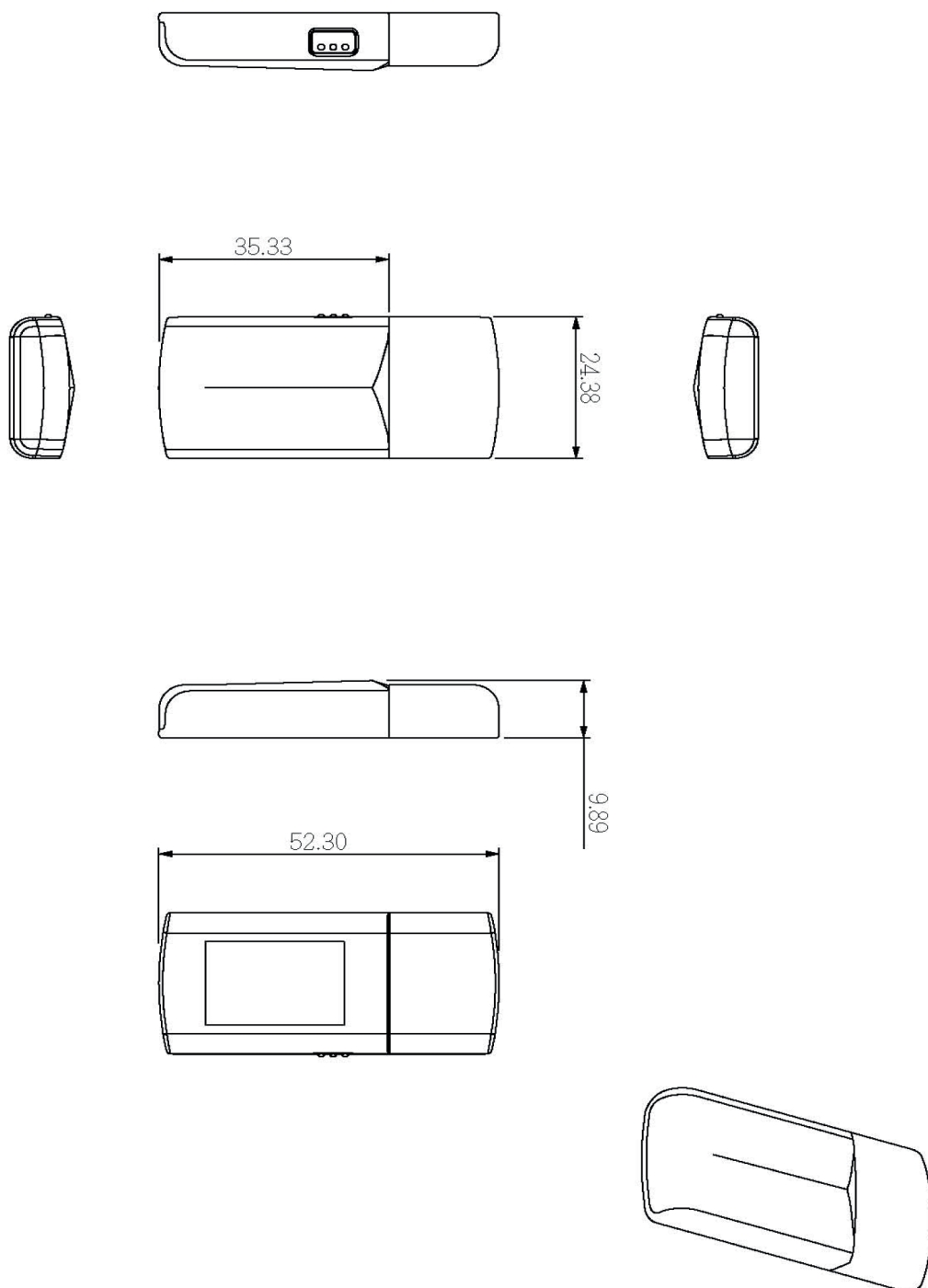
## 4 General Specification

Specification	Description
Product Name	LM005 802.11n WLAN USB Adapter
Chipset	RTL 8191SU
Standard	802.11 b/g/n, 802.3, 802.3u
Data Transfer Rate	1,2,5.5,6,11,12,18,22,24,30,36,48,54,60,90,120,180,240,270 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 m
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 - 50°C ambient temperature
Storage Temperature	-10°C ~ 70°C ambient temperature
Humidity	5 to 90% maximum (non-condensing)
Dimension	52.3 x 24.4 x 9.9 mm (LxWxH)



### 3 Dimensions

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