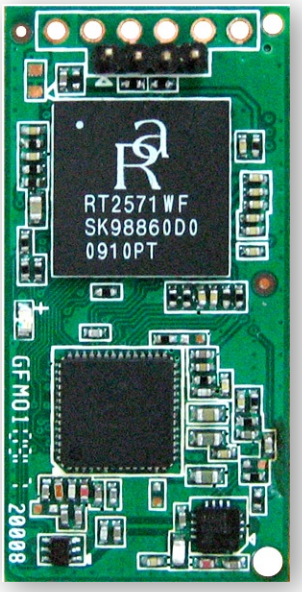
PROWARE®
The Reliable Partner

54M Wireless USB Adapter
M-WN321GM



Wireless G speed up to 54Mbps

Advanced wireless security using WPA/WPA2 encryption gives your wireless network reliable protection

Description:

- The M-WN321GM Wireless USB Module features a 4-pin connector supporting USB 2.0 signaling which provides you a cost effective compact WLAN module with embedded system for the wireless connectivity.

- Its auto-sensing capability allows a high transfer rate of up to 54Mbps for maximum throughput, or dynamic range shifting to lower speeds due to distance or operating limitations in an environment with a lot of electromagnetic interference. It can also interoperate with all 11Mbps wireless (802.11b) products. Your wireless communications are protected by up to 128-bit WEP encryption, so your data stays secure.

Copyright © 2009 PROWARE Technologies Co., Ltd. All rights reserved.

Specifications:

Solution	Chipset EEPROM	Ralink RT2571WF 0.5KB
PCB	PCB layers Dimensions (W*D*H)	4 40.5*20*1.0 mm
Interface	4 PIN Connector (6 PIN for optional)	
LED	Indicators Color	Status Green*1
Antenna Connector	I-PEX or RP-SMA cable	
Wireless Parameters	Frequency Band Data Transfer Rates Channel Extend Frequency Modulation Type Transmission Distance Maximum RF Power Receive Sensitivit Wireless Security	2.4~2.4835GHz 11g: 54/48/36/24/12/9/6 Mbps (Auto Sensing) 11b:11/5.5/2/1 Mbps (Auto Sensing) 1~11 DSSS OFDM Indoors up to 100m, outdoors up to 300m. (Standard transmission distance, The actual value is up to environment.) 19dBm 54M: -68dBm@10% PER 11M: -85dBm@8% PER 6M: -88dBm@10% PER 1M: -90dBm@8% PER 64/128 bit WEP WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)
Working Modes	Ad-hoc Infrastructure	

Others:

Safty, Emission and others	CE, FCC, Compliant with RoHS FCC ID: WWMWN321GM3V1 (Input: 3.3V) WWMWN321GM5V1 (Input: 5V)	
Protocols and Standards	IEEE 802.11g, 802.11b USB 2.0, CSMA/CA with ACK	
Operation System	Windows 2000/XP/Vista, Linux	
Environment	Operating Temperature Storage Temperature Operating Humidity Storage Humidity	0℃~40℃ (32℉~104℉) -40℃~70℃ (-40℉~158℉) 10%~90% non-condensing 5%~90% non-condensing

Features:

- Supports 54/48/36/24/18/12/9/6Mbps or 11/5.5/2/1Mbps data transfer rates
- Supports 64/128bit WEP encryption
- Supports WPA/WPA2 and PA-PSK/WPA2-PSK encryption mechanisms
- Supports wireless roaming between access points when configured in Infrastructure mode

Package:

- Packing Type
  - Honeycomb package
- Package Contents
  - 54M Wireless USB Module M-WN321GM

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

PLEASE NOTE: This transmitter module is authorized only for use in Pocket-Sized Wireless Print Server series where the antenna may be installed such that 20 cm may be maintained between the antenna and users. The final end product must be labeled in a visible area with the following: "Contains TX FCC ID: WWMWN321GM3V1 (WWMWN321GM5V1)"

Specifications are subject to change without notice. Proware is a registered trademark of PROWARE Technologies Co., Ltd. Other brands and product names are trademarks or registered trademarks of their respective holders. No part of the specifications may be reproduced in any form or by any means or used to make any derivative such as translation, transformation, or adaptation without permission from PROWARE Technologies Co., Ltd.

Copyright © 2009 PROWARE Technologies Co., Ltd. All rights reserved.