

# AWM51N\_US Spec.

**Part Name : 802.11b/g/n Adapter**

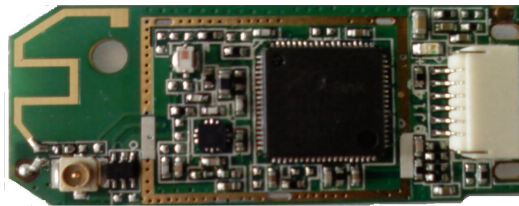
**Part No. : AWM51N\_HS**

**Version : V1.0**

<b>Apply:</b>	<b>Check:</b>	<b>Approve:</b>
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## 1. Product Overview

AWM51N\_US is a 54M USB Wireless Adapter that Compliant with IEEE 802.11b,IEEE 802.11g,IEEE802.11n(draft). It supports WEP, WPA, IEEE802.1x, CCK, TKIP encryption and authentication mechanisms . Wireless transmission rates of up to 54M, is 5 times of the ordinary 11b product. Built-in omni-directional smart antenna can adapt to different working environment .So that the desktop or notebook, as well as other wireless networking equipment can access a wireless network expediently.



## 2. Key Feature

- Compliant with IEEE802.11b/g,IEEE802.11n(draft)
- RoHS compliant
- USB 2.0 interface Compliant
- Work mode : Infrastructure、 Ad-Hoc
- Supports 64/128/256 WEP encryption, supports WPA/WPA-PSK, WPA2/WPA2-PSK Security
- Transfer Rate: 54/48/36/24/18/12/9/6/11/5.5/2/1Mbps
- Supports Windows 98/ME/2000/XP/64bitXP/2003 OS
- Transfer distance :Farthest 100 meters Indoor , Farthest 300meters Outdoor( As a result of the environment varies )

## 3. Specifications

### 3-1. Solution

Item	Description
MCU+SWITCH	RT3070

**3-2. Technical Spec**

Item	Description	
<b>Standard</b>	IEEE 802.11b/g、 IEEE 802.11n(draft)、 CSMA/CA with ACK	
<b>Interface</b>	USB2.0	
<b>Operating Frequency</b>	2.4 ~ 2.4835GHz	
<b>Channel Number</b>	13 channels for EU, 11 channels for USA	
<b>Modulation</b>	OFDM/DBPSK/DQPSK/CCK	
<b>RX sensitivity</b>	150M:-68dbm@10%PER 54M:-68dBm@10%PER ;11M:-85dBm@8% PER 6M : -88dBm@10%PER ; 1M : -90dBm@8% PER	
<b>Transfer distance</b>	Farthest 100 meters Indoor ,Farthest 300meters Outdoor( As a result of the environment varies )	
<b>RF Power</b>	54M: 14dbm ±2dbm 11M:17dbm ±2dbm	
<b>LED</b>	Status	
<b>Supported OS</b>	Win 98 / ME / 2000 / XP / 64-bitXP/2003 /Linux	
<b>Dimension (L*W *H)</b>	37.5mm x16mm x1.0mm	
<b>Environment Specification</b>	Temperature	Humidity
	Operating: 0 ~ 40	Operating: 10%-90%
	Storage:-10 ~ 70	Storage: 5%-90%

**结构图**

- 1:radio on/off    2:LED
- 3:GCC            4:D-
- 5:D+             6:GND

6PIN接口定义

4PIN USB接口定义为标准定义

