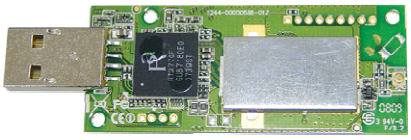
WUBR-125GN

802.11b/g/n USB Module

USB type A or 4-pin header with Ralink RT2770+2720 Solution



Features & Benefits

- High-speed Wireless-N (draft 802.11n)
- Backward compatible with 802.11b/g standard
- Speeds up to 300Mbps
- Supports USB 2.0/1.1 interface
- Advanced security: WPA/WPA2 (IEEE 802.11i), WEP 64/128 Support
- Support Windows Vista/XP/2000, Linux driver

Latest 802.11n Wi-Fi Technology

SparkLAN WUBR-125GN is an 802.11n Draft 2.0 Wi-Fi USB module, which is backward compatible with 802.11b/g standard. With advanced 1T2R MIMO technology, WUBR-125GN delivers ultimate wireless data rate for up to 300Mbps. It is designed properly for any wireless enabled devices with standard USB slot or 4-pin connector.

Secure Wireless Connection

WUBR-125GN also features advanced WEP encryption, WPA, and WPA2 to help protect data over wireless communication without sacrificing the performance.

Cost-Effective, Shorten Time to Market

SparkLAN WUBR-125GN is cost effective, thus customers can quickly and easily bring Wi-Fi products to market with competitive price.

Comment Guide

WUBR-125GN	Interface	Connector
Type 1	USB Type A	I-PEX (UFL)
Type 2	4 PIN	I-PEX (UFL)

Specifications

Chipset - RT2700U		
Mac/BB Processor	Ralink RT2770	
RF Chip	Ralink RT2720	
Host Interface		
USB type A or 4-pin Pin Header		
LEDs		
Link/Activity		
Radio		
Antenna	2 x I-PEX (UFL) connector	
Operating Frequency	2.412~ 2.4835GHz ISM Band	
Transmit Power	802.11b: 17± 1dBm 802.11g: 17± 1dBm 802.11n: 15± 1dBm	
Receive Sensitivity	802.11g : -75± 1.5dBm@54Mbps	
	802.11b : -87± 1.5dBm@11Mbps	
	802.11n : -64± 1.5dBm@150Mbps	
Power consumption	802.11b@11Mbps Continue TX: 450mA 802.11g@54Mbps Continue TX: 390mA	
Environmental		
	Temperature	Humidity
Operating	0 ~ 55°C	10% to 85% Non-Condensing
Storage	-20 ~ 65°C	5% to 90% Non-Condensing
Operating Voltage	DC 5V ± 5%	
Physical Specification		
Dimensions	60x25 mm	
Weight	30g	
Software		
Driver	Windows 2000/XP/Vista Linux	
Security	64/128-Bit WEP Key WPA(TKIP with IEEE802.1x) WPA2(AES with 802.1x)	

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