Brief Datasheet

PRODUCT: **CWFB202**

DESCRIPTION: **802.11a/b/g/n 2x2 USB Dongle**

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1. INTRODUCTION

This solution, 802.11a/b/g/n USB dongle, is a small-sized that provides a high-speed data rate up to 300Mbps. The product is not only 6 times faster than the legacy 11a/b/g but also cost-effective. 802.11a/b/g/n USB dongle supports client mode, which is ideal for multi-purpose installation to share wireless connection. By supporting 64/128-bits WEP, TKIP, WPA, WPA2 and WPS, 802.11a/b/g/n USB dongle helps protect your data and privacy during transmission.

This module can be used for Desktop/NB that needs 5GHz frequency band ,and can be build-in other embedded applications such as IPTV, STB, Media Player, Femto, XDSL, Cable Modem, Industrial PC, Ethernet Switch, Printer, Connected TV ,and Smart Phone..

2. FEATURES

- Complies with 802.11a/b/g/n standards
- Operates either in the 2.4GHz and 5GHz frequency bands
- Chipset with interface and USB slave port
- Date Rate up to 300Mbps
- Security: 64/128-bits WEP, TKIP,WPA, WPA2, AES
- Compatible with Windors/Linux driver

3. SPECIFICATION

Wireless Technology	IEEE 802.11 a/b/g/n
Wireless LAN	2T2R mode (5GHz 2x2 MIMO or 2.4GHz 2x2 MIMO) 1T1R mode (5GHz 1x1 + 2.4GHz 1x1 con-current operation)
Antenna	Build- in printed antenna (2 dBi)
Interface	USB slave port Link/Active LED
Frequency Range	802.11a 5.15~ 5.85GHz 802.11b/g 2.4~2.484GHz 802.11n 2.4~2.484GHz and 5.15GHz~ 5.85 GHz (Subject to local regulations)
Data Rate	802.11b: 1, 2, 5,5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: 6.5, 13, 19.5, 26, 39, 52, 58.5, 65Mbps

Transmit Power +/- 2dBm (EIRP)	11n HT40 MCS7 : +14dBm
	11b : +17dBm
	11gn :+15dBm
	11a : +13.5dBm
Receiver Sensitivity	11an/gn -66dBm at HT40 (MCS7)
	11an/gn -67dBm at HT20 (MCS15)
	11a/g -72dBm at 54Mpbs
	11b -80dBm at 11Mpbs
Software Support	Windows XP/ Vista/ 7/ Linux driver
Range	Indoors: up to 50 meters indoor and 100 meters outdoor
Power Requirement	5V/300mA
Dimensions	79 x 27 x 14mm