Brief Datasheet

PRODUCT: **CWFC10x**

DESCRIPTION: **802.11b/g/n 2x2,1x1 Mobile AP/Router**

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1. INTRODUCTION

This is a compact/travel size IEEE802.11b/g/n router with 2 fast Ethernet ports, which provides a powerful high-speed wireless connection for compatible wireless-enabled devices to roam freely. With web-based UI, this Access Point is easy to be setup and maintained. All functions can be configured within the easy and friendly user interface via web browser. Via the fast wireless network speed up to 300 Mbps, you can be very comfortable to have experience of high speed web surfing, files downloading, online game playing, video conferencing and high quality multimedia streaming. The CWFC10x provides WPA/WPA2,TKIP,64/128 bit WEP encryption and IEEE802.1x which ensures a high level of security to protect users' data and privacy when you are traveling.

2. FEATURE

- High security with build-in: WEP 64/128,TKIP, WPA, WPA2 mixed 802.1x and 802.11i
- Support Router/AP, Client Mode
- Support WPS (Push bottom/ Pin code)
- Slide switch to change mode (router/AP/Client) easily.

PCBA

3. SPECIFICATION

Standard	IEEE 802.11 b/g/n standards compliant
Wireless LAN	2T2R Mode
Antenna	Internal PIFA 2 dBi antenna　(external SMA connector for option)
Interface	RJ45 port*2 (1LAN, 1WAN)
	USB Host port*1 for 3G dongle, WiWAX dongle, Storage…
	Reset/WPS button
	Slide switch to select AP, Client & Router

	@ AP: 2 LANs @ Client: 2 LANs @ Router: 1 LAN/1 WAN
Frequency Range	2.400 ~ 2.4835GHz (subject to local regulations)
Number of Selectable Channels	802.11n 20MHz/40MHz ; 802.11b/g USA,Canada (FCC):11 channels (2.412GHz~2.462GHz) Europe (CE): 13 channels (2.412GHz~2.472GHz) Japan (TELEC): 14 channels (2.412GHz~2.4835GHz)
Data Rate	802.11n: up to 300Mbps 802.11b: 1, 2, 5,5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps
Coverage Area	Up to 6 times faster then existing 802.11 b/g products
Transmit Power(EIRP)	11n HT40 MCS7 : +13.5dBm 11b CCK: +17.5dBm 11g OFDM: +13.5dBm
Receiver Sensitivity	-66dBm at HT40 MCS7 -73dBm at 54Mpbs -86dBm at 11Mpbs
LED	Power, WPS, Wireless, LAN, WAN
Power Requirement	Full Range 100V~240V DC 5V/1.2A (Mini USB)
Range	Indoors: up to 50meters /Outdoors: up to 250meter
Dimension	Weight : 120g Dimension : 76(W)*60.5(L)*23(H)mm (without Antenna)
Certifications	FCC/CE

Software function

- **WAN Protocol:**
  - ✧ DHCP Client
  - ✧ Static IP
  - ✧ PPPoE (ADSL)
  - ✧ L2TP
  - ✧ PPTP
  - ✧ 3G(Via 3G USB modem)
- **Network Features:**
  - ✧ DHCP Client/Relay/Server

- ◇ Dynamic DNS
- ◇ NTP Client
- ◇ DNS Cache/Proxy
- ◇ Firewall
    1. MAC/IP/Port Filter
    2. Virtual Server
    3. DMZ
    4. Content Filter

■ **WiFi:**

- ◇ Two Transmit and Two Receive path(2T2R)
- ◇ 20MHZ/40MHZ bandwidth.
- ◇ Support Multiple SSID
- ◇ Clock rate up to 400MHzLegacy and High Throughput Modes.
- ◇ Support WPS
- ◇ High security with build-in: WEP 64/128, TKIP, WPA, WPA2 mixed,802.1x and 802.11i
- ◇ 802.1X Authentication with RADIUS Client
- ◇ QoS-WMM.WMM-PS

Item No.	LAN	WAN	USB	Antenna
CWFC101	V	V	V	2T/2R
CWFC103	V	V		1T/1R
CWFC105	V			1T/1R