

## CM210A-W Dual SIM Router



## Specifications

### Wireless

- Compatible Mobile Networks
  - o 4G LTE-A
  - o UMTS WCDMA (HSUPA/ HSDPA/ HSPA/ HSPA+/ DC-HSPA+)
  - o GSM EDGE
  - o GSM GPRS
- Cellular Frequency
  - o 4G LTE FDD
    - B1 (2100)
    - B2 (1900)
    - B3 (1800)
    - B5 (850)
    - B7 (2600)
    - B8 (900)
    - B20 (800DD)
    - B28 (700)
  - o UMTS/ HSPA/ HSUPA/ HSPA/ HSPA+/ DC-HSPA+ 850/ 900/ 1900/ 2100Mhz
  - o Quad-band EGSM 850/ 900/ 1800/ 1900MHz
- Bandwidth

Comset

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- o 4G LTE
  - ♣ Downlink 150Mbps
  - ♣ Uplink 50Mbps
- o DC HSPA+
  - ♣ Downlink 21/42Mbps
  - ♣ Uplink 5.76Mbps
- o HSPA
  - ♣ Downlink 14.4Mbps
  - ♣ Uplink 5.76Mbps
- o HSUPA
  - ♣ Downlink 7.2Mbps
  - ♣ Uplink 5.76Mbps
- o HSDPA
  - ♣ Downlink 7.2Mbps
  - ♣ Uplink 384 Kbps
- o WCDMA/UMTS
  - ♣ Downlink 384 Kbps
  - ♣ Uplink 384 Kbps
- o EDGE
  - ♣ Downlink 236 Kbps
  - ♣ Uplink 118 Kbps
- o GPRS
  - ♣ Downlink 85.6 Kbps
  - ♣ Uplink 42.8 Kbps

#### WiFi

- 802.11b/g/n; 300Mbps

#### SMS

- SMS control

#### GPS

- Optional (CM210A-W-G model)

#### VLAN

- Supports four LAN IP addresses

#### Fail Over Redundancy (network backup feature)

- Auto-dial feature, keep alive link
- Built-in watch dog
- Cellular (2G/3G), RJ45 WAN (xDSL, DHCP, Fixed IP), WiFi client

#### DTU

- DTU feature, serial RS232 to Cellular Gateway

#### VPN

- OpenVPN, IPSec, L2TP, GRE, PPTP (Client and Server)

#### Firmware upgrade

- Supported locally and remotely

#### Protocol support

- TCP, UDP, SMTP, POP, ICMP, FTP, PPP, PPPoE, DHCP, DDNS, DNS, SNMP, WPS, DMZ, Syslog (local and remote), NAT, xDSL, NTP, QoS, SNMP, RIP, support firmware update locally and remotely

#### Security

- Supports 64/128 bits WEP, 802.1x, WPA and WPA2
- Supports WDS
- TKIP, AES encryption
- Supports WPA1/2- 802.1x
- Supports EAP- TLS, TTLS, LEAP, PEAP
- Supports access with username and password
- Supports access control base WAN/LAN interface
- Supports access control base source IP address
- Defence DOS attack, supports SYN flooding, IP surfing, ping of death, fragile, teardrop, land
- Supports PAP and CHAP
- Supports IP filtering

#### Advanced Firewall Features

- Network Address Translation (NAT)
- IP/MAC/Port Filtering, Keyword Filtering, URL/Domain Filtering (White list/ Black list)
- VPN Pass-through

#### Media Access Control

- CSMA/CA with ACK

#### Certifications

- Radius Client

## Interfaces

#### LAN

- 1 x 10/100M LAN port (RJ45 interface)
- 1 x 10/100M LAN/WAN port (RJ45 interface)
- 1 x RS232 Console Port (RJ45 interface)

#### Antennas

- 2 x antennas for WiFi (detachable SMA interface x 2)

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- 2 x antennas for Cellular (detachable SMA interface x 2, cellular supports diversity receiving MIMO)

#### LED

- PWR\*1
- SIGNAL\*3
- WLAN\*1
- ERROR\*1
- LAN, LAN/WAN\*2

#### DIO

- Digital Input \*2
- Digital Output \*1

#### Serial port

- RS232 built-in terminal block interface

#### AT command

- Supported

#### UIM/SIM Card Slot

- Supports 1.8/3V UIM/SIM cards, Two sim card slots

#### DC Jack

- Terminal block \* 1

## Power

#### Power supply

- DC5V-32V, typical 12V 1A, 12V car use supported

#### Power consumption

- Current
  - o Idle 80mA@12VDC
  - o Average 320mA@12VDC

## Software

#### Device Management

- WEB interface (Internet Explorer v6 or later, Mozilla Firefox v1.5 or later, Chrome, Opera, Safari or other Java-enabled browsers)

## Minimum System Requirements

- Mobile Internet Access Subscription and Internet PC Adapter
- Computer with:
  - o Windows 7, Vista, Windows XP SP2, Windows 2000 SP4 or Mac OS X(v10.4/v10.3), Linux
  - o Internet Explorer 6 or Mozilla Firefox
  - o CD-ROM Drive
  - o Network Interface Card

## Physical

### Operating Temperature

- Storage -40°C to 85°C
- Working -20°C to 70°C

### Humidity

- 95% Maximum (non-condensing)

### Dimensions

- 102mm x 100mm x 42mm

### Weight

- 350g (not including antennas)

## Other

### Warranty

- 1 Year

### Regulatory Compliance

- RCM\*, FCC, CE, RoHS (\* Effective 1st March 2013, the C-Tick and A-Tick marks are consolidated into a single compliance mark, RCM. For more information, visit the ACMA website).
- Modem is approved by Telstra, Vodafone, Orange, Spark New Zealand.

### Package Contents

- CM210 Router
- CAT5 Ethernet Cable
- Power Adapter
- Antennas (2 Cellular and 2 WiFi antennas)
- DIN-rail mounting bracket

