

3G/4G/4GX WiFi Router with Dual SIM (CM210Q-W)

DETAILS

- 3G + 4G + 4GX Modem Router
- Supports band B28 700 MHz (Telstra 4GX and Optus 4G Plus)
- LTE CAT-4 with 150 Mbps Download Speeds
- Dual SIM card for backup redundancy
- Wireless N300
- Shock and vibration resistant
- Rapid service deployment applications
- DIN rail mount
- Now fully operational on telstra.corp APN

The Comset CM210Q-W is an industrial grade 3G/4G/4GX LTE WiFi Modem Router with download speeds of up to 150 Mbps and upload speeds of up to 50 Mbps. It is one of the few routers on the Australian market that support band B28 (700 MHz). The B28 (700 MHz) low-frequency radio bandwidth, also known as Telstra 4GX and Optus 4G Plus, can reach much longer distances than high-frequency bands and is better at penetrating solid obstacles like buildings, giving you much better indoor reception.

SECURE CONNECTIVITY

The Comset CM210Q-W is designed to suit Australian conditions. It supports the latest LTE CAT-4 technology that performs fast and reliable data communication. It enables users to quickly create a secure and fast wireless network. It features built-in WiFi N300 with speeds of up to 300 Mbps, dual SIM card slots for backup redundancy, two Ethernet LAN ports or one LAN port and one WAN port for fixed internet connection, as well as a GPIO with two digital input and one digital output.

Other features include VPN IPSEC, L2TP, Open VPN, PPTP (Client and Server) to establish a secure and reliable connection over the 3G/4G network.



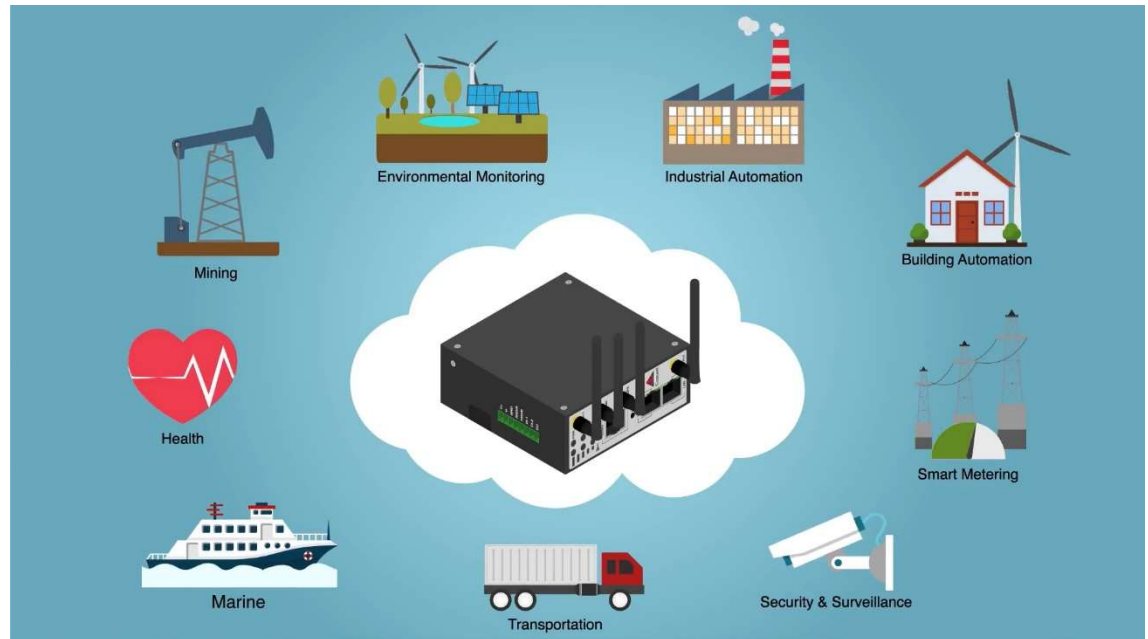
RUGGED DESIGN

The durable and rugged design makes the CM210Q-W the router of choice for remote harsh environments. The compact design, easy integration and rich built-in features make it suitable for a wide range of industrial M2M applications, including industrial automation, building automation, smart metering, security, surveillance, transportation, marine, health, mining and environmental monitoring.

Features and Benefits

BASIC FEATURES

- Built-in 4G LTE-A CAT-4 industrial cellular module
- Supports Band B28 (700 MHz)
- Supports LTE FDD bands B1, B2, B3, B4, B5, B7, B8, B28
- Supports LTE TDD band B40
- Supports DC-HSPA+, HSPA+, HSPA, WCDMA including B1/B2/B5/B8
- Dual SIM card slots
- Shock and vibration resistant
- User friendly set-up wizard for easy configuration and set-up
- Auto-dial feature, keep system stable
- Serial RS232 to TCP/IP
- 1 x LAN RJ45 port + 1 x LAN/WAN RJ45 port + 1 x RS232 Console Port
- WiFi 802.11b/g/n 300Mbps



ADDITIONAL FEATURES

- Supports DNS proxy and Dynamic DNS (DDNS)
- Rapid service deployment applications
- VPN (OpenVPN, IPSEC, L2TP, GRE, PPTP Client and Server)
- TCP/IP protocol stack, Telnet, SSH, HTTP, PPP, PPPoE, network protocol
- Virtual data and private network (APN/VPDN)
- Always on-line: On-line detection and automatic redial to ensure continuous connection
- WiFi can be used as WiFi client
- On-demand dialing, including time on/off-line
- Two digital Input and one digital Output
- DIN-rail mounting for industrial applications (DIN-rail bracket included)
- 2 x MIMO cellular antennas & 2 x MIMO WiFi antennas included
- WDT watchdog, multi-link detection
- Bandwidth limiter to limit Download and Upload speeds

Specifications

WIRELESS

Compatible Mobile Networks

- 4G LTE-A
- UMTS WCDMA (HSUPA/ HSDPA/ HSPA/ HSPA+/ DC-HSPA+)
- GSM EDGE
- GSM GPRS

Cellular Frequency

- 4G LTE FDD inc. B1 (2100), B2 (1900), B3 (1800), B4 (1700), B5 (850), B7 (2600), B8 (900), B28 (700)
- 4G LTE TDD - B40 (2300)
- UMTS/ HSPA/ HSUPA/ HSPA/ HSPA+/ DC-HSPA+ 850/ 900/ 1900/ 2100 MHz
- Quad-band EGSM 850/ 900/ 1800/ 1900 MHz

Bandwidth

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

WiFi

- 802.11b/g/n; 300Mbps

GPS

- Optional (CM210Q-W-G model)

DTU

- DTU feature, serial RS232 to Cellular Gateway

VPN

- OpenVPN, IPsec, L2TP, PPTP
- Server and Client supported

Firmware upgrade

- Supported locally and remotely

Protocol support

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

Advanced Firewall Features

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

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
- Defense DOS attack, supports SYN flooding, IP surfing, ping of death, fragile, teardrop, land
- Supports PAP and CHAP
- Supports IP filtering

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

LED

- PWR
- 3 x SIGNAL
- ERROR
- WLAN

DIO

- 2 x Digital Input
- 1 x Digital Output

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 slot

DC Jack

- 2.5 mm DC jack
- Terminal block

POWER

Power supply

- DC 5 V-32 V, typical 12 V 1 A
- 12 V car use supported

Power consumption

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

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:
 - Windows 7, Vista, Windows XP SP2, Windows 2000 SP4 or Mac OS X (v10.4/ v10.3), Linux
 - Internet Explorer 6 or Mozilla Firefox
 - CD-ROM Drive
 - Network Interface Card

PHYSICAL

Operating Temperature

- Working -40°C to 85°C

Humidity

- 95% Maximum (non-condensing)

Dimensions

- With case 102 mm x 100 mm x 42 mm

Weight

- 350 g (not including antennas)

OTHER

Warranty

- 1 Year

Regulatory Compliance

- RCM, CE, RoHS
- Modem is approved by Telstra

Package Contents

- CM210 Router
- CAT-5 Ethernet cable
- Power Adapter
- DC jack power cable
- Terminal block
- 4 x Antennas (2 x cellular & 2 x WiFi antennas)
- DIN-rail mounting bracket