

3G/4G/5G WiFi Router with Dual SIM (CM550W-POE)

DETAILS

- 5G Modem Router with lightning internet speeds
- Worldwide 5G and 4G LTE-A coverage
- Dual band concurrent WiFi (2.4 GHz and 5 GHz)
- Four Gigabit Ethernet ports (3 x LAN and 1 x LAN/WAN)
- Supports Power over Ethernet POE & POE+ up to 30 W per channel
- Automatic failover between NBN/ADSL and 5G/4G
- Fully operational on telstra.corp APN

The Comset CM550W-POE is an industrial grade 5G Modem Router with lightning internet speeds. With four Gigabit Ethernet ports and built-in 802.11 AC dual band WiFi, the CM550W-POE provides a powerful and rapidly deployable internet solution to commercial customers, and small, medium and enterprise businesses. The built-in Power over Ethernet, PoE and PoE+, supports up to 30 w per channel across two Ethernet ports. It is ideal to power IP cameras, Access Points, IP Phones or other PoE devices.

The Comset CM550W-POE is an innovative router powered by a powerful dual-core 880 MHz CPU. It features dual SIM card slots for backup redundancy. The concurrent dual band WiFi 2.4 GHz and 5 GHz helps reduce WiFi traffic congestion and interference and ensures a fast and reliable service.



The CM550W-POE comes with three Gigabit LAN ports for fast wired connections, and one Gigabit LAN/WAN port for fixed internet, allowing for failover between 4G/5G and NBN/ADSL. It also features a GPIO with two digital input ports and two digital output ports, as well as RS232 and RS485 serial ports. Other features include VPN IPsec, PPTP, L2TP, and OpenVPN to establish a secure connection over the 4G and 5G network.

The innovative design, easy integration and rich built-in features make the CM550W-POE the router of choice for a wide range of business and commercial applications. Including SOHO, SMB, SME, industrial automation, building automation, security, surveillance, transportation, health, mining, and environmental monitoring.

Specifications

CELLULAR

Cellular Frequencies

5G:

- 5G NR Sub-6 GHz
- 5G NR NSA
 - n1, n2, n3, n5, n7, n8, n12, n20, n25, n28, n38, n40, n41, n66, n71, n77, n78 and n79
- 5G NR SA
 - n1, n2, n3, n5, n7, n8, n12, n20, n25, n28, n38, n40, n41, n66, n71, n77, n78 and n79
- MIMO
 - DL 4x4 MIMO
 - n1, n2, n3, n7, n25, n38, n40, n41, n66, n77, n78 and n79
 - UL 2x2 MIMO

4G LTE:

- LTE CAT16 DL/CAT18 UL
- 4G LTE FDD
 - B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B18, B19, B20, B25, B26, B28, B29, B30, B32, B66 and B71
- 4G LTE TDD
 - B34, B38, B39, B40, B41, B42, B43 and B48
- MIMO
 - DL 4x4 MIMO
 - B1, B2, B3, B4, B7, B25, B30, B32, B34, B38, B39, B40, B41, B42, B43, B48 and B66

UMTS:

- WCDMA
 - B1, B2, B3, B4, B5, B6, B8, B19

Bandwidth

- 5G SA (Standalone)
 - Downlink 2.1 Gbps - Uplink 450 Mbps
- 5G NSA (Non-Standalone)
 - Downlink 2.5 Gbps - Uplink 650 Mbps
- 4G LTE
 - Downlink 1.0 Gbps - Uplink 200 Mbps
- WCDMA
 - Downlink 42 Mbps - Uplink 5.76 Mbps

WLAN

- Standard: IEEE 802.11 a/b/g/n/ac
- 2.4 GHz and 5 GHz concurrent
- Security:
 - WEP
 - WPA/WPA2 Personal/Enterprise
 - Radius
- Mode: AP and Client

HARDWARE

- CPU: MIPS Dual-core 880 MHz
- Memory: 256 Mb Flash, 2Gb DDR3 RAM
- Hardware Watchdog

ROUTE PROTOCOL AND NETWORK FEATURES

- Static route
- RIPv2 and OSPF dynamic route
- IPv4, IPv6 (optional)
- UDP, TCP, ICMP, NTP, DHCP, HTTP and HTTPS
- UPNP and SNMP
- ICMP check and traffic check
- Traceroute and data capture
- Bandwidth and traffic graphs
- 5G/WAN failover
- VLAN
- Bandwidth management
- NAT and DMZ
- IP passthrough

VPN TUNNEL

- IPsec
- PPTP and L2TP
- GRE
- OpenVPN

FIREWALL AND FILTERING

- IP packet, domain and MAC address filtering
- NAT
- DMZ

GPS (OPTIONAL)

- GPS sensitivity: -160 dBm
- GPS accuracy: 2.5 m CEP
- Update rate: 1 Hz @ 5 Hz
- Time to first fix: Cold status 27s, hot status 1s
- Protocol: NMEA-0183 2.3 V

DEVICE MANAGEMENT

- Local or remote web browser
- CLI/Telnet command
- M2M management platform (optional)
- SSH configuration (optional)

POWER

Power supply

- 44 V DC to 57 V DC for PoE
- 48 V DC/1.25 A AC adapter

Power consumption

- Power: 5 W
- Operation: 110 mA @ +48 V DC

INTERFACES

Ports

- 4 x Gigabit Ethernet (3 x LAN, 1 x WAN/LAN)
- LAN1 & LAN2 ports support PoE 802.3af/at
- 8-pin terminal block connector
- 4 x DIO
- 1 x RS232, 1 x RS485
- 1 x DC (4-pin plug)
- 4 x SMA female 5G/4G/3G antenna sockets
- 2 x SMA female WiFi antenna sockets
- 2 x standard SIM/R-UIM slots
- 1 x expansion USB 3.0

LEDs

- Signal
- Error
- Power
- WLAN

PHYSICAL

Dimensions

- 132 mm x 112 mm x 44 mm

Weight

- 400 g (not including accessories)

Temperature

- Operating: -30°C to +75°C
- Storage: -40°C to +85°C

Relative Humidity

- < 95% (non-condensing)

OTHER

Warranty

- 1 Year warranty

Certifications

- RCM
- CE
- RoHS

Package Contents

- 1 x CM550W-POE 5G router
- 2 x WiFi dual band 2.4 GHz and 5 GHz rubber antennas
- 4 x 5G/4G/3G magnetic base antennas with 3M cable
- 1 x Ethernet cable
- 1 x power supply adapter
- 1 x DIN rail bracket