

Comset CM580W 5G Outdoor Router

DETAILS

- 5G outdoor modem router with IP67 waterproof rating
- Lightning-fast internet speeds
- Worldwide 5G and 4G LTE-A coverage
- Dual band Wi-Fi 6 AX3000 (2.4 GHz and 5.8 GHz)
- Built-in high-power amplifier to expand Wi-Fi coverage
- 48V PoE+ power supply
- 2.5 Gigabit Ethernet port

The Comset CM580W is a rugged 5G/4G/3G outdoor router. Powered by Qualcomm X62, it delivers top-notch performance and unparalleled reliability. One of its standout features is its robust IP67 waterproof rating, ensuring seamless operation in the harshest outdoor conditions. This 5G router is a beacon of durability, standing strong against varying weather elements, making it an ideal choice for outdoor setups, remote locations, or industrial deployments where resilience is non-negotiable.

The integrated SIM card slot simplifies connectivity, allowing users to effortlessly utilise 5G, 4G and 3G cellular networks for internet access. This feature is suitable for scenarios where traditional wired connections are unavailable or impractical. Coupled with the detachable external antennas, the CM580W ensures optimal signal reception, guaranteeing a stable and high-speed internet connection, even in remote areas with poor coverage.



Moreover, the incorporation of Wi-Fi 6 (AX3000) technology elevates this router's performance to new heights. It enables faster speeds, greater capacity, and improved efficiency in handling multiple devices simultaneously. Whether for business or personal use, the Wi-Fi 6 capability ensures a smooth online experience, enhancing productivity and entertainment options.

The utilisation of 48V PoE+ (Power over Ethernet) to power the device is a practical and convenient choice, simplifying installation and reducing cable clutter. This feature makes it easier to deploy the router in various outdoor settings without the need for complex power setups. Overall, the Comset CM580W is a reliable, high-performance outdoor router that excels in durability, connectivity, and speed, making it a stellar choice for anyone seeking a robust solution for outdoor networking needs.



Features

5G NR Qualcomm™ SDX62
modem (SDX65 Optional)

IP67 Waterproof grade IP67

WiFi
AX3000

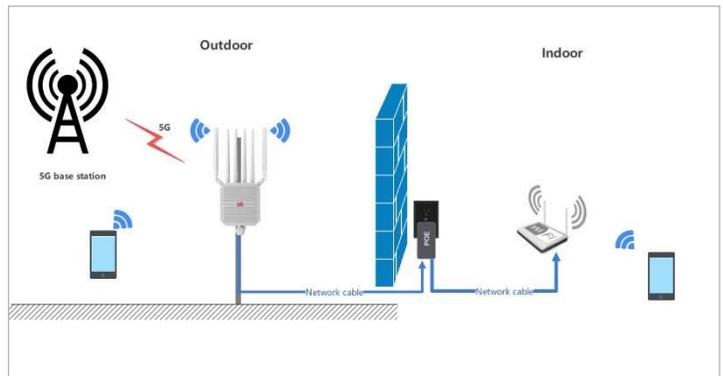
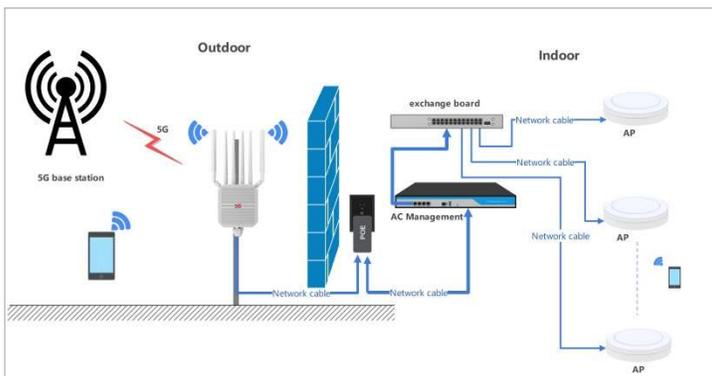
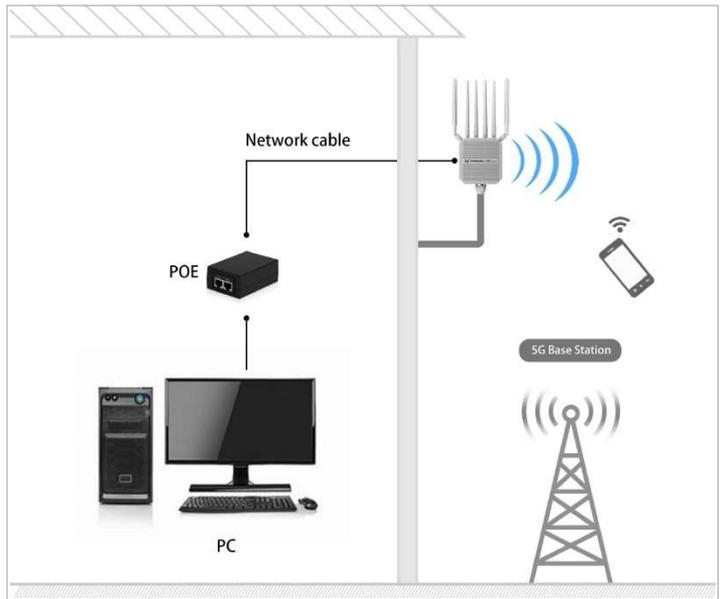
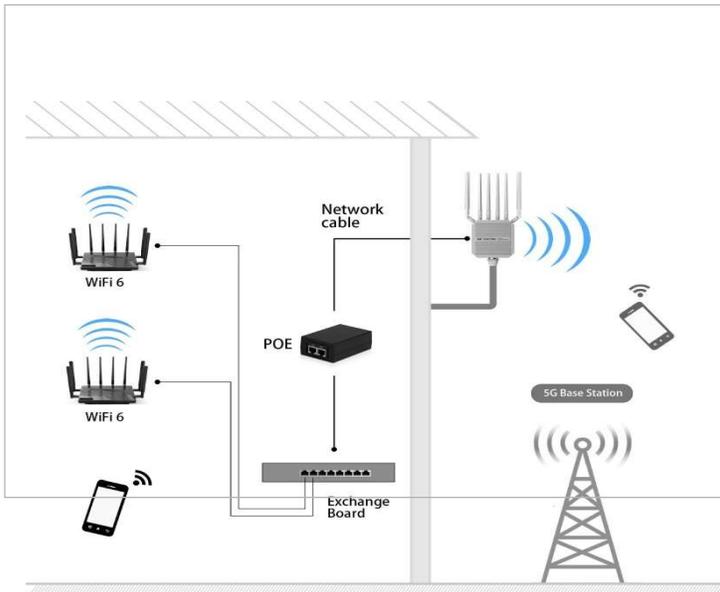


2.5G Port
High-speed interface

POE Standard 48V POE power
supply



Diagrams



Specifications

CELLULAR

Cellular Frequencies

5G:

- 5G NR Sub-6 GHz
- 5G NR NSA
 - n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n38, n38, n40, n41, n48, n66, n70, n71, n75, n77, n78 and n79
- 5G NR SA
 - n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n38, n38, n40, n41, n48, n66, n70, n71, n75, 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 CAT19 DL/CAT18 UL
- 4G LTE FDD
 - B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B66 and B71
- 4G LTE TDD
 - B34, B38, B39, B40, B41, B42, B43 and B48
- LAA
 - B46
- 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, B4, B5, B8, B19

Bandwidth

- 5G SA (Standalone)
 - Downlink 2.4 Gbps - Uplink 900 Mbps
- 5G NSA (Non-Standalone)
 - Downlink 3.4 Gbps - Uplink 550 Mbps
- 4G LTE
 - Downlink 1.6 Gbps - Uplink 200 Mbps
- WCDMA
 - Downlink 42 Mbps - Uplink 5.76 Mbps

WLAN

- Standard: 2.4GHz and 5.8GHz
- 5.8GHz: 802.11 a/n/ac/ax, 2T2R MIMO
- 2.4GHz: 802.11 b/g/n/ax, 2T2R MIMO

- WiFi throughput
 - 2.4GHz: 600Mbps
 - 5.8GHz: 2400Mbps
- WiFi maximum transmit power
 - 2.4GHz: 21-25dBm
 - 5.8GHz: 19-24dBm
- WiFi connections
 - 100 clients
- WiFi encryption: Open, WEP, WPA2-PSK, WPA3-SAE, WPA/WPA2-PSK, WPA2-PSK/WPA3-SAE
- Wi-Fi band aggregation
- Modulation mode
 - 5G: GMSK/8PSK/BPSK/QPSK/16QAM/64QAM/256QAM
 - Wi-Fi: 1024QAM/OFDMA

HARDWARE

- Chipsets: Qualcomm IPQ5018 and Qualcomm Snapdragon X62
- Flash: 16MB NOR and 1GB NAND flash
- RAM: 4GB DDR3

ROUTE PROTOCOL AND NETWORK FEATURES

- Static route
- Firewall
- IPv4, IPv6
- Smart QoS
- Parental control
- UPNP
- APN/ Multi-APN
- DHCP/ DDNS/ DMZ/TR069
- Port Mapping
- MESH (Private Mesh)
- APP
- PIN management
- SIM card authentication
- NAT/Router mode
- Web UI update
- Backup/restore settings

VPN TUNNEL

- PPTP VPN client
- L2TP VPN client

DEVICE MANAGEMENT

- Local or remote web browser

POWER

Power supply

- PoE+ power adapter (48V/1A)

Power consumption

- <24W

INTERFACES

Ports

- 1 x 2.5Gbps LAN (PoE+)
- 1 x SIM card slot
- 1 x reset button

LEDs

- 4G Signal
- 5G Signal
- Power
- WLAN signal

PHYSICAL

Dimensions

- 145 mm x 130 mm x 45 mm

Weight

- 1.2kg (not including accessories)
- 1.8kg (including accessories)

Temperature

- Operating: -20°C to +55°C
- Storage: -40°C to +70°C

Relative Humidity

- < 95% (non-condensing)

OTHER

Warranty

- 1 Year warranty

Certifications

- RCM
- CE
- RoHS
- Modem is Telstra certified

Package Contents

- 1 x CM580W 5G router
- 2 x WiFi dual band 2.4 GHz and 5 GHz rubber antennas
- 4 x 5G/4G/3G rubber antennas
- 1 x CAT6 Ethernet cable 1m
- 1 x PoE power adapter 48V
- 1 x Quick Start Guide
- 1 x L mounting bracket