

OG530-M

5G Outdoor CPE



The OG530-M Outdoor CPE is an easy-to-deploy, high performance 5G/LTE CPE feature sad dedicated 2.5 Gigabit Ethernet port and 5G/LTE mobile broadband for maximum redundancy and flexibility for intense Internet applications in remote areas. Rugged design and flexible deployment options combined with ease of use make the OG530-M ideal for both large-scale and individual deployments.

Features

5G Sub-6GHz + LTE Dual-Mode Support

The device seamlessly combines 5G and LTE connections or switches between them based on reception quality, ensuring reliable high-speed internet in diverse environments.

High-Speed Connectivity with 4×4 MIMO

Delivers up to 4.67Gbps throughput, enabling fast downloads, smooth streaming, and support for multiple users simultaneously.

PoE-Powered 2.5G Ethernet

Includes a 2.5 Gigabit Ethernet port and complies with IEEE 802.3af PoE standards for power and data delivery over a single cable.

Rugged Outdoor Design (IP65 Rated)

Built to withstand extreme weather conditions, with water and dust resistance, and can endure wind speeds up to 210kph. Supports pole/wall mounting for flexible deployment.

Advanced Lightning Protection ($\pm 6kV$)

Equipped with robust surge protection to safeguard against electrical damage in outdoor installations.

Simplified Management & Plug-and-Play Setup

Features HTTP/TR-069 remote management, a user-friendly web interface, and plug-and-play Ethernet connectivity for easy installation and configuration.

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Product Specification

General	
Chipset	MediaTek T750
Device Interfaces	• 1x 2.5G bps GE Ethernet port • 6xLED indicator PWR, LAN, 5G, Signal Strength LEDs*3 • 1.8/3V SIM card slot (2FF) • Reset button
Standards	• IEEE 802.3i 10Base Ethernet • IEEE 802.3u Fast Ethernet • IEEE 802.3ab Gigabit Ethernet • IEEE 802.3bz 2.5Gigabit Ethernet • IEEE 802.3af 12.95W POE
5G / LTE Standards	• Release 16, Cat.19 • 5G NR
5G / LTE Frequency Support	• 5G NR SA: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/ n77/n78 • 5G NR NSA: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/ n77/n78 • LTE FDD: B1/B3/B5/B7/B8/B20/B28/B32 • LTE TDD: B38/B40/B41/B42/B43 • WCDMA: B1/B5/B8
5G / LTE Throughput	• 5G SA Sub-6 : 4.67Gbps (DL) / 2.5Gbps (UL) • 5G NSA Sub-6: 3.74Gbps (DL) / 1.46Gbps (UL) • LTE: 1.6Gbps (DL) / 211Mbps (UL)
MIMO	DL: 4 × 4 UL: 2 × 2(only support 5G SA)
Output Power	23dBm±2dBm
Antenna	3~7dBi Internal directional antenna
Software Features	
Device Management	• HTTPS Management Interfaces • Multi-Language Web Management • Standard Based TR-069 Management • TR-181 Device Data Model Support • TR-369 (USP) • HTTP OTA Firmware Upgrade • Firmware encryption • USIM and Network PLMN Locking Support • Device Factory Default Setting • Remote Management • System log • Configuration Backup/Restore • Device Information

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Software Features

Networking Configuration

- DHCP IP address Assignment
- Router Operation Support
- Built-in DHCP Server for LAN Devices
- IPv4, IPv6 DS-Lite Support
- NTP Service Support
- SIM card locking feature
- Network selection and cell locking provision
- STUN
- SNMP
- Port Forwarding
- L2TP/PPTP VPN pass through
- DDNS
- Firewall
- Qos
- Diagnostics(Ping /Traceroute speedtest)
- Auto Reboot
- Route(Default route, Static route, Route Status)
- Multiple APNs
- Router and bridge mode change
- Neighbor CELL
- Lock CELL

Physical

Dimensions	338(H) X 250(W) X 85(D)mm
Weight	<2.5Kg
Enclosure	IP 65
Power Protection	+/- 6kV
Power Supply	48V Power over Ethernet
Power Consumption	< 10W
Temperature	• Operating: -30 to 75 °C • Storage: -40 to 85 °C
Humidity	10 % to 95 % non-condensing
Certifications	CE FCC

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Dimension Diagram



Interfaces Diagram

