

Mobile Comms Case: 5G+GPS with Wifi

Model Number: CM1/ CM1-Lite/CM1-RA



CM cases are self-contained ruggedized communication cases designed for Emergency, Backup or Jobsite data connectivity for the whole team. The internal pro-grade ruggedized cellular router can provide data connectivity for an entire team and on the best available carrier. The custom antenna solution can achieve a high data rate link even when personal devices fall short.

Connectivity and Portability Specifications	
Data Connectivity	4/5G LTE, 4x4 MIMO Antennas
Router	Transportation Ruggedized Teltonika or Peplink 5G LTE Cellular Gateway Router
Antenna	Purpose built and drive test optimized for Cellular/WIFI/GPS
WIFI	2.4 / 5.8GHz WIFI 5, 2x2MIMO Antennas
Multi Carrier Cellular	Dual SIM Card, Multi Carrier SIM, E-SIM
Wired Data Ports	Integrated External Cat5 Ethernet Port
Device Charging	Integrated USB Charging Outlet
Battery Monitoring	LCD Battery Life Display
Charger	Integrated Smart Charger, 12V or optional USB
Battery	Teltonkia BAT120 or optional 99Wh LiPo(lite)

Mechanical/Environmental Specifications	
Case	High Impact Resin Case, Made in N.A.
Size	10.25x8x4.5"
Weight	~5Lbs depending on Options
Temp Rating	(-40°F to + 149°F) Operating and Storage
Water Ingress	IP56 upgradeable to IP68



CM1 (clear body panels)



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Contact Optimized Wireless for Info / Sales
info@optimizedwireless.net

www.hertzianlabs.com
support@hertzianlabs.com

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General Operation:

Button 1: Power Up Cellular and WIFI

User Connect:

Standard WIFI Login

Router Configuration:

Router comes pre-configured for quick start

Router configuration support available

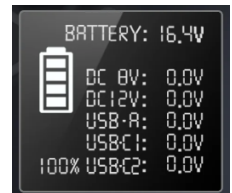
Insert Sim Card(s): 2*Slots/2*Carriers or MultiSim or ESIM



Battery:

Battery life is monitored by pressing button on the battery capacity meter.(CMLite)

CM-Lite



Charging:

The case may be charged while in use.

Charge Battery by plugging in standard 12V supply or USB depending on options



Options:

Charging Power: Swap AC Charge port for DC PSU/Automotive Charge port

Battery: FAA/Airline carry-on approved LiPo for maximum run-time or ultra rugged BAT120 battery system

Router: The standard router is mobile ruggedized with 4x4 Cellular/2x2 WIFI certified for all major NA carriers, routers available for international regions or other requirements

External Port Delete: Convenience Ports(USB/RJ45) or External Starlink Power/Data Port

Custom: Contact Supplier for other customization requests

Standard Configurations:

CM1: Full Spec with external charger, FAA/TSA approved battery

CMLite: Simplified Light design Trimmed external ports, Long runtime 50-99Wh battery for extended run time

CMR: Configured for Rail use cases (preliminary)



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