

L-5500

Cellular WiFi Router



All-in-One Wireless Data Platform

Designed to meet the needs of public and private EMS providers, the L-5500 combines GPS, WiFi, and cellular technologies into a single rugged enclosure for a reliable and always-on internet connection. From ePCR to GPS & AVL, the L-5500 enables real-time data communications for today's demanding field applications.

Always On Broadband

Connect instantly to the internet using the always-on broadband connection. With its proprietary firmware, the L-5500 ensures users stay connected by constantly monitoring and handling dropped data sessions.

Integrated GPS Receiver

The built-in GPS chipset enables streaming data locally to onboard computers or remote CAD and AVL servers for real-time vehicle tracking. Multiple protocol support allows the L-5500 to report AVL data directly into most CAD systems without the need for an MDC computer.

WiFi Access Point or Client

Turn your vehicle into a mobile hotspot and connect tablets, laptops, cardiac monitors and other devices wirelessly from up to 300 feet away. Restrict access and ensure security with WPA2 WiFi authentication.

Integrated VPN

Protect patient information and enable seamless connectivity with backend systems using the integrated IPsec VPN. Save both management and deployment costs by eliminating the need for VPN client software on field computers.

Multiple Ethernet Ports

Connect network scanners, printers, MDCs, docking stations, and cardiac monitors using the integrated dual port ethernet switch.

Battery Monitoring

Prevent stranded vehicles and costly battery replacements by continuously monitoring the vehicle's battery state. Automatically shutoff equipment using the built-in ignition timer.

Sensor Inputs

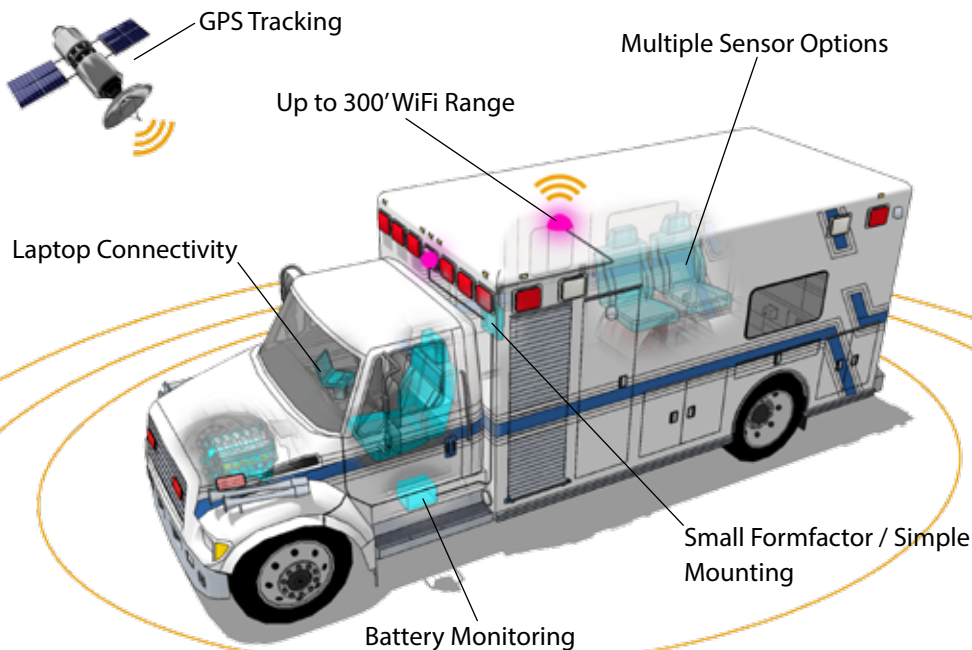
Monitor a variety of sensors including:

- Emergency lights
- Bumper contact strips
- Patient compartment temperature
- Battery voltage
- G-Force
- Seat belt use

Remotely trigger vehicle functions including door unlock and remote start.

Garmin Messaging

Instantly receive navigation instructions and call information directly from CAD. Update timestamps and capture odometer information in real-time from the field, without radio traffic.



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L-5500

Specifications



General

Input Voltage	9 to 28 VDC
TX Power @ 13.8 VDC	350 mA (500 mA with Wi-Fi)
RX Power @ 13.8 VDC	130 mA (240 mA with Wi-Fi)
VPN	IPSec PSK
Device Management	SNMP, Embedded Web Interface
WiFi Security	Open, WEP, WPA, WPA2
GPS Protocols	NMEA, TAIP, Proprietary
Cellular Technology	Gobi 3000 (Multiple Carrier)

Interfaces

LED Indicators	RSSI, SVC, NET, GPS, WiFi
Power	4-pin locking connector
Ethernet	(2) 10/100 Mbps RJ-45
Serial	DE-9F with Full Hardware Handshaking*
I/O	2 digital inputs/outputs, 2 analog inputs, 2 outputs (relay contacts)
Primary Antenna	50 Ohm SMA Female
RX Diversity Antenna	50 Ohm SMA Female
GPS Antenna	50 Ohm SMA Female (3-5 VDC)
Wi-Fi Antenna	50 Ohm RP-SMA Female

Mechanical/Environmental

Dimensions	4.3 (L) x 6.0 (W) x 1.8 (H) in 10.9 x 15.25 x 4.5 cm
Weight	2.5 lb, 1.13 kg
Temperature Range	-30° to +70° C -22° to +158° F
Humidity	5% to 95% non-condensing

CDMA Technologies / Bands

EVDO Rev A	800 / 1900 / 2100 MHz 3.1 Mbps Downlink 1.8 Mbps Uplink
1xEVDO Rev 0	800 / 1900 / 2100 MHz 2.4 Mbps Downlink 153.6 kbps Uplink
1xRTT	800 / 1900 MHz 153.6 kbps Downlink 153.6 kbps Uplink

GSM Technology / Bands

UMTS / HSPA	850 / 900 / 1900 / 2100 MHz 7.2 Mbps Downlink 2.0 Mbps Uplink
EDGE / GPRS	850 / 900 / 1800 / 1900 MHz 236 kbps Downlink 236 kbps Uplink



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www.logicdatasystems.net