

CONNECTIVITY

Part Number : 107-000-777

Modem – Wireless Gateway – Cellular & GPS



Rugged, Reliable Mobile Communications

The Sierra Wireless GX450 is a rugged, secure mobile gateway designed to deliver mission-critical communications for in-vehicle applications. With LTE coverage on major global networks, the GX450 extends broadband connectivity to a wide range of devices and applications. It extends the enterprise network and management to the fleet, ensuring reliable, secure broadband data access for mobile users in the field.

Functional description:

Vehicle Area Networking: Consolidate Connections

The Sierra Wireless 107-000-777 is available in four configurations to provide vehicle-area connectivity tailored for each application environment. The base model provides connectivity for wired Ethernet, Serial and USB devices in the vehicle; an Ethernet option provides additional Ethernet ports. With the Wi-Fi option, the GX450 also includes an 802.11 b/g/n mobile access point for wireless devices and a Wi-Fi client for depot/station communications. An I/O option provides 4 digital input/outputs and 4 analog inputs to monitor external system events and sensor inputs. Consolidating all devices according to your requirements at the vehicle reduces the number of modems, antennas and subscriptions otherwise needed.

Technical and physical description:

Secure Mobile Communications

The GX450 is loaded with features to secure your critical data. With up to 5 concurrent VPN sessions, you can ensure secure communications to multiple back-end systems. Remote authentication management allows you to use enterprise grade systems to manage access to devices in the field. Finally, port filtering and trusted IP protect the devices connected to your GX450 from unwanted access.

Rugged Design for Demanding Vehicle Applications

The GX450 is designed from the ground up to withstand the harsh environmental conditions of vehicle use. The die cast aluminum housing is sealed to meet IP64 levels of resistance to dust and water ingress. The product is tested to meet and exceed the MIL-STD-810G specification for shock, vibration, temperature and humidity. Immunity to harsh electrical transients is covered to meet international vehicle use standards.

Report and Alert: Don't just Communicate

As a fleet manager, you need more than just communications. You need to monitor the safety of your mobile workforce and the state of your vehicles. For example, you need to know if a worker has set off a man-down alert or if a police car has engaged the lights and siren. For this, you need the AirLink integrated events engine. This powerful tool allows you to develop custom event triggers and create tailored reports that communicate what's happening in the vehicle to third party server platforms - all without any programming. **An optional OBD-II Telemetry Accessory Kit allows you to collect engine diagnostic and performance data to monitor the health of your vehicles.** Best of all, through the Sierra Wireless Solution Exchange, you have access to a catalogue of world class solution partners that have already integrated this functionality into their AVL and mobile workforce solutions.



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