



## Sierra Wireless GNX-3 LTE

### KEY BENEFITS

- Support for LTE for performance
- High performance internal cellular & GPS antennas for ease and flexibility of installation
- Auto-calibrating 3-axis accelerometer
- RTC wake up modes
- 2 wire install (no ignition)
- Optional internal backup battery
- Multiple I/O for activity monitoring and peripheral support
- Intelligent power management
- Automatic over-the-air configuration and upgrade
- Packet data and SMS-based messaging
- High capacity store forward for data integrity
- Fail-safe technology
- Voltage protection

## Full Featured Vehicle Tracking Unit For Basic Tracking Applications

The GNX-3 LTE is a highly configurable, feature-rich, mobile asset tracking device designed to service a wide variety of market and industry requirements. The GNX-3 LTE is an ideal solution for Mobile Resource Management, vehicle tracking and many other location-aware applications and services. The GNX-3 LTE incorporates leading edge, quality components for superior reliability including high performance internal cellular and GPS antennas, plus an auto-calibrating 3-axis accelerometer for monitoring and reporting of rapid acceleration, deceleration, harsh cornering and other events.

### BACKUP BATTERY, INPUT/OUTPUT AND PERIPHERAL SUPPORT

The GNX-3 LTE I/O capabilities enable peripheral support, multiple configurations and monitoring including digital inputs, outputs, and relays. Optional backup battery allows for operation with the absence of power and last gasp applications.

### EASY OVER-THE-AIR SERVICING /CONFIGURATION (PATENTED TECHNOLOGY)

The GNX configuration parameters and firmware are upgraded over-the-air, pushed to the GNX using IP or SMS or autonomously pulled by the GNX from any TFTP or FTP server. This allows for factory-to-installation without any configuration required and automatic upgrade of latest firmware.

Specification

PHYSICAL	
Material	2-piece ABS enclosure
Dimensions (L x W x H)	103 x 54 x 19 mm
Weight	70 grams
Power/Data Connector	18-pin 3mm Molex
ELECTRICAL	
Operating Voltage	8 to 30V DC
Power Consumption (typical, @ 12.8 vdc)	<ul style="list-style-type: none"> <li>Operating: 40mA (avg), 680mA (peak Tx)</li> <li>Napping &lt;20mA (typical, SMS/UDP wake-up)</li> <li>Sleep &lt;1mA (local wake-up)</li> </ul>
ENVIRONMENTAL	
Operating Temperature	-20°C to +65°C / -4°F to +149°F (without battery)
Storage Temperature	-40°C to +85°C / -40°F to +185°F
Humidity	5 to 95% non-condensing
Shock and Vibration	SAE J1455
EMC/EMI	SAE J1113
GPS TECHNOLOGY	
GPS Receiver	72 Channel, GPS/GLONASS
Tracking Sensitivity :	<ul style="list-style-type: none"> <li>-164dBm Tracking, Nav</li> <li>-159dBm Reacquisition</li> <li>-147dBm Cold start (un-aided)</li> </ul>
Horizontal accuracy	2.0m CEP
Time-to-first-fix	27s (@ -130dBm, Cold start)
COMMUNICATIONS OPTIONS	
	LTE and UDP/TCP/TFTP/SMS
	1xRTT
CELLULAR	
	B4 (AWS), B13 (700)
INPUT/OUTPUT	
Digital Inputs	2 (1 hi, 1 low)
Relay Drive Outputs	2 (150mA max. each)
Status LED's	2
APPROVALS	
Regulatory	FCC, IC
Carrier	Verizon

ACCESSORIES

- Power harness
- OBD power only harness

About Sierra Wireless

Sierra Wireless (NASDAQ: SWIR) (TSX: SW) is an IoT pioneer, empowering businesses and industries to transform and thrive in the connected economy. Customers Start with Sierra because we offer a device-to-cloud solution, comprised of embedded and networking solutions seamlessly integrated with our IoT services. OEMs and enterprises worldwide rely on our expertise in delivering fully integrated solutions to reduce complexity, turn data into intelligence and get their connected products and services to market faster. Sierra Wireless has more than 1,400 employees globally and operates R&D centers in North America, Europe and Asia.

For more information, visit [www.sierrawireless.com](http://www.sierrawireless.com).