

GNX-5P (GPRS/CDMA/iDEN)

Economical Wireless Fleet Tracking Unit with SuperSense GPS Technology



KEY BENEFITS

- Competitively Priced
- Wireless Options
(GPRS, CDMA, iDEN)
- High Sensitivity GPS
- Multiple I/O capability for a variety of activity monitoring and peripheral support
- Highly configurable application parameters
- Automatic over-the-air configuration
(patented technology)
- Automatic over-the-air firmware upgrade
- Flexible and easy to use diagnostic and troubleshooting tools

The GNX-5P is a highly configurable, feature rich, mobile asset tracking device designed to service a wide variety of market and industry requirements. The GNX-5P is an ideal solution for Mobile Resource Management, vehicle tracking and many other location aware applications and services. The GNX-5P incorporates leading edge, quality components for superior reliability including a SuperSense GPS module.

Options and Versatility

The GNX-5P supports multiple wireless communication options including GPRS, CDMA and iDEN. The versatile GNX-5P configuration capabilities enable support of everything from basic vehicle tracking to full featured service applications.

Input/Output and Peripheral Support

The GNX-5P I/O capabilities enable multiple configurations, peripheral support and monitoring including digital inputs and outputs, relays, serial and 1-wire peripheral communication, vehicle conditions and activity. The GNX-5P supports Driver ID, GPS data (NMEA) and other peripheral applications.

Easy Over The Air Servicing (Patented Technology)

The GNX-5P configuration parameters and firmware are upgradeable over-the-air, and can be pushed to the GNX-5P using IP or text messaging, or autonomously pulled by the GNX-5P from any TFTP or FTP server. This allows feature updates to be deployed to a fleet of GNX-5P's with minimal user intervention, and without proprietary server software. This reduces field service visits and can prolong the serviceable life of the GNX-5P.

Made in the USA

All GenX products are designed and manufactured in the USA

GNX-5P Specifications

KEY FEATURES

- GPRS, CDMA or iDEN wireless communication options
- SuperSense GPS (-160 dBm)
- Multiple inputs and outputs
- Over-the-air configuration and firmware management
- 3,000 store/forward messages
- 5 polygon geo-fences (50-vertices each)
- 20 landmarks
- Direct email report and alert delivery
- Voltage monitoring and low battery notification
- Support for Driver ID or temperature sensor
- NMEA GPS output

OPTIONAL FEATURES / OPTIONS

- Integrated motion sensor
- Backup battery
- GPS and Cellular Antennas
- Serial Cable
- I/O cable

PHYSICAL SPECIFICATIONS

Dimensions	4 x 3.5 x 1.1 inches 102 x 89 x 25 mm
Weight	8 ounces 227 grams
GPS antenna conn.	SMA
Cellular antenna conn.	SMC
Power connector	20-pin 3mm Molex
Data connector	10-pin 3mm Molex
Auxiliary conn.	Combined with power connector

ELECTRICAL SPECIFICATIONS

Operating Voltage	8 to 30V DC
Power Consumption	
Operating	<100mA @ 12V DC
Standby	13mA @ 12V DC
Sleep	<1mA @ 12V DC

ENVIRONMENTAL SPECIFICATIONS

Operating	-4° to 140°F (-20°C to 60°C)
Functional	-4° to 158°F (-20°C to 70°C)
Storage	-40° to 185°F (-40°C to 85°C)
Humidity	5 to 95% non-condensing
Shock and Vibration	SAE J1455
EMC/EMI	SAE J1113

GPS TECHNOLOGY (SuperSense Technology)

GPS	50 channel (with WAAS/SBAS)
Sensitivity	-160dBm tracking
Navigation	-160dBm (NMEA GPS output)
Horizontal accuracy	2.5m, 2.0m SBAS (CEP 50%)
Time-to-first-fix	29s (@ -130dBm)

COMMUNICATION OPTIONS

GPRS/GSM	(850/900/1800/1900Mhz)
CDMA	(800/1900Mhz)
iDEN	(800/900Mhz)

INPUTS/OUTPUTS

Digital Inputs	5 (3 hi, 2 low)
Analog Input	1
Relay Drive Outputs	4
1-Wire Port	Dallas iButton
Status LED's	GPS and Cellular
Power Harness	Included with two 3A fuses

REGULATORY APPROVALS

FCC, PTCRB, CE MARK, RoHS Compliant

CARRIER APPROVALS

AT&T, Sprint Nextel, TELUS

SOME OTHER SUPPORTED NETWORKS

KORE, Jasper, T-Mobile, O2, Vodafone, Telcel

Specifications Are Subject To Change Without Notice



1955 Concourse Drive
San Jose CA 95131
tel:408-943-9882
fax:408-943-9897
www.genxmobile.com