



XIRGO TECHNOLOGIES

## XT-6300 Series Tracking Solution

XT-6300 is a tracking solution with optional OBDII and JBus to support a wide range of vehicle protocols including passenger, light to heavy duty trucks, and commercial equipment. Geofences provide fleet managers with greater control and monitoring with instant notifications.

XT-6300 is a full-feature device based on a platform that allows rapid customization by market and application requirements. The modular design of XT-6300 allows for Garmin™ FMI, Bluetooth® connectivity, 1-wire Bus among other features. Optional BT allows bi-directional communication with other BT enabled devices. The two 1-Wire Bus interfaces allow for Driver ID or Serial Temperature Sensing. Designed with embedded cellular, GPS, and optional Bluetooth® antennas, the XT-6300 reduces the need for additional external accessories.

Highly configurable firmware allows full control of device reporting behavior. Customizable data packets provide only the data required to support unique and evolving business needs.

The XT-6300 series is another example of Xirgo Technologies' dedication to a flexible design-to-manufacture model that reduces time-to-market for customized products for various M2M and telematics verticals.



### XT-6300 Specification Highlights

- 3G Network (UMTS/HSPA)
- 2G GPRS class B multi-slot
- 1xRTT CDMA
- 3G Bands 850/1900 MHz
- 2G Bands 850/900/1800/1900 MHz
- CDMA Bands 800/1900 MHz
- Integrated GPS receiver for tracking applications
- Supports SMS, UDP, FTP
- Over-the-air application firmware upgrade
- I/O's include 5 Digital Inputs, 1 Analog Input, 3 Outputs, 2 1-Wire Bus, 2 RS232
- 3-Axis Accelerometer and Motion Detector
- Garmin™ Fleet Management Interface
- Geofencing
- Optional Features
  - OBDII and JBUS Interface
  - Bluetooth®
  - 250 mAh rechargeable battery

# Specifications

## Cellular Module Specification

3G UMTS/HSDPA/HSUPA Characteristics	2G GSM/GPRS/EDGE Characteristics	CDMA 1xRTT Characteristics
3GPP Release 6 HSPA	3GPP Release 6	3GPP 27.010
Two-band Support - Band II – 1900 MHz - Band V – 850 MHz	Quad-band Support - GSM – 850 MHz - E-GSM – 900 MHz - DCS – 1800 MHz - PCS – 1900 MHz	Dual-band Support - 800 MHz Cellular Band - 1900 MHz PCS Band
WCDMA/HSDPA/HSUPA Power Class 3	GSM/GPRS Power Class - Power Class 4 for GSM / E-GSM - Power Class 1 for DCS / PCS EDGE Power Class - Power Class E2 for GSM / E-GSM - Power Class E2 for DCS / PCS	
PS (Packet Switched) Data Rate - HSUPA category 6, up to 5.76 Mb/s UL - HSDPA category 8, up to 7.2 Mb/s DL - WCDMA PS data up to 384 kb/s DL / UL	PS (Packet Switched) Data Rate - GPRS multi-slot class 123, CS1-CS4, up to 85.6 kb/s DL / UL - EDGE multi-slot class 123, MCS1-MCS9, up to 236.8 kb/s DL / UL	PS (Packet Switched) Data Rate - PS data up to 153 kb/s DL/UL
CS (Circuit Switched) Data Rate - WCDMA CS data up to 64 kb/s DL / UL	CS (Circuit Switched) Data Rate - GSM CS data up to 9.6 kb/s DL / UL	

### GPS Specification

- Receiver Type 56 channel
  - Receiver Tracking Sensitivity -162 dBm
  - Accuracy\* +/- 2.5m CEP
- \*50%, -130dBm, >6 Sats.

### Power Requirement

- DC Power 9 - 32V
- Optional Battery 250 mAh Rechargeable, Secondary Lithium Ion Battery

### Physical Interfaces

- OBD Connector 12 pin micro-fit (OBD II, J1930, J1708, Single Wire CAN)
- I/O Connector 24 pin micro-fit connector
- I/O's and Interfaces 5 Digital Inputs, 1 Analog Input, 3 Outputs,  
1-Wire Bus (2), RS232 (2), Garmin™, Bluetooth®

### Mechanical

- Case Material PC2407, Black
- Dimensions 3.05" x 3.08" x 0.8" (7.7cm x 7.8 cm x 2 cm.)
- Weight 3 oz
- Operating Temperature -30°C to +75°C (-20°C to 60°C with internal battery option)
- Storage Temperature -40°C to +85°C (non-internal battery option)

### Certifications

- PTCRB
- FCC
- IC (planned)
- AT&T, Verizon

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