

CITY-TRACK

FLEETTRACKERS product specifications

CTS600N

HSDPA (UMTS 3G) Mobile Tracking Device



series

The CTS600N, CITY-TRACK is an ultra-low power and HSDPA (UMTS 3G) telematics solution with backwards compatibility To GSM/GPRS that delivers feature flexibility to support the most demanding global 2G/3G applications. It is designed for fleet management, insurance telematics, vehicle leasing, transportation/trucking, and emergency response Providers to optimize their mobile resources and improve their bottom line.

The CITY-TRACK builds upon its predecessors with Enhanced performance, additional digital inputs, and a second serial port to expand interface capabilities to third-party peripherals That Deliver high-demand features.

Advance Fleet Features

Once fitted to a vehicle and integrated into a fleet management application, fleet managers see immediate return on Investment with improvements in driver productivity and performance throughout the day with instant vehicle Location monitoring. The CTS600, delivers on critical features to drive efficiencies and reduce operational costs Offering two serial interfaces, 1-Wire support enabling driver identification, multiple GPIO for interface flexibility, polygon geofencing for monitoring of more geometrically complex areas, dual three-axis accelerometers for driver behavior monitoring, optional backup battery for continued communications when power is lost or cut, and much more.

The CTS600 also includes optional routing and optimization with Garmin fleet management interface (FMI) today's Most popular, cost-efficient fleet management solution, Additionally, with our built-in Smart Agent support for the FMI interface, you save development resources, time to market, and ongoing air time expense compared to an Externally controlled interface.



Tracking GPS solutions

Av. Homero # 1406-1 Col. Polanco
5580-4734



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Interface Requirements

Host protocols: Commands, UDP API, FOTA
 Internal Protocols: UDP API, TCP API, UDP PAD, TCP PAD.
 API Control/Status: ATCommands, UDP API, TCP API, AT Commands Over SMS

Housing

Dimensions: (LxWxH) 81.9x51.9x26.4 mm
 Weight w/Bat.:81g (2.9oz) no/Bat.:71.8g (2.5oz)
 Rugged textured plastic enclosure,Vo fire rated

Standard Features

Virtual Odometer and Distance Reporting
 Vehicle Speed and Speed Alerts
 Idle Time Reporting with Ignition Detection and GPS
 Vehicle Battery Monitoring and Low Voltage Detection
 FOTA enabled
 I/O Control
 Timed Reporting
 Alarm/Event Reporting
 Status Change Reports
 Circular and Polygon Geofencing
 Backward Compatible with GSM/GPRS under HSDPA
 Motion/Tow Alert, hard Braking/Acceleration and Event
 Detection with Dual 3-Axis Accelerometer.

series

Certifications

FCC:Parts 15,22,24
 Industry Canada
 RoHS compliant
 Carrier Certifications: Verizon; Sprint (pending); Tmobile

Power Specifications

DC Voltage: Supports 12V & 24V Operation
 Cellular Operating Power (Typical) @ 14.2 VDC:Avg(mA)
 Idle (GPS On): <54 mA (Registered) Off: <33mA Reg.
 Low Power Mode: <1.3 mA

GPS Functionality

GPS Protocols:
 NMEA, Binary
 Buffered GPS:
 Massage Feature

Battery

Optional Recharg:
 Lithium-Ion
 Battery Recharg. Rate:
 0 to +45° C

Packet Data

Protocol: IS-95, IS-2000
 Packet Channel:
 FCH/SCCH/DCCH/SCH

Environment

Operating: Non-Battery -30°C to 85°C
 Battery -20°C to 60°C
 Storage: Non-Battery -40°C to 85°C
 Battery -20°C to 60°C
 Humidity: Up to 95% Non-Condensing
 Vibration: In Accordance With SAE J1211

Radio Technology

Cellular Technology: 1xRTT (CDMA2000) or HSDPA(UMTS 3G)
 Frequency (MHz):
 1xRTT (CDMA): 800/1900
 HSDPA (UMTS):
 3G: 850/1900 (Bands V, II) (NA) Or 900/1700/1900/2100
 (Bands VIII, IV, II,I) (ROW)
 GSM/GPRS/EDGE fallback: 850/900/1800/1900

Interfaces and I/O

Garmin Interface: Version 2.6 With Speed Limits Alerts(Optional)
 Serial Data I/O: 2- RS-232 Ports, 1-RS-232 With Flow Control
 (RX/TX/RTS/CTS), 1-RS-232 With 2-Wire(RX/TX)
 1- Wire Interface For Driver ID (iButton) and/or Temp. Sensors
 Digital Outputs: 3 Programmable outputs -2 Drive/Sink, 1 Sink
 Digital Inputs: 5 Programmable inputs
 Analog Inputs: 2 Analog Inputs (1:0-32V, 1: 0-16V)
 LEDs: Power(Green), Cellular(Green), GPS(Red)
 Cellular/GPS Antenna: Internal, I/O Connector: 22-Pin Molex
 Wired Ignition

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