

W4 Ward Track 330i™

Location and Driver Behavior Tracking



KEY FEATURES

- Customizable
- Simple, fast installation
- Internal or external antenna options
- 20,000 buffered message log
- Robust military standards construction
- Exception based rules
- Wireless configuration and firmware updates
- Wireless firmware download and web based device management
- Internal back-up battery for data protection



Reliable Data

Ward Track 330i reliably tracks vehicle location and records driver behaviors such as hard braking and aggressive acceleration. Measurable results provided by Ward Track help protect your bottom line using wireless communication with a 3-axis precision accelerometer, robust enough for AVL applications. Extremely sensitive GPS, with internal or external antenna enables the Track 330i to be mounted virtually anywhere with simple, inexpensive installation, and fast, trouble-free start-up.

Detailed Data Collection

Ward Track 330i employs an on-board alert engine, Programmable Event Generator (PEG) for monitoring external conditions, and supports customer-defined, exception-based rules. The PEG continuously monitors the vehicle's environment, and responds instantaneously to predefined threshold conditions related to time, date, motion, location, geo-zone, input, and other event combinations. Programming options include factory, on-site, or wireless once the unit has been fielded.

Wireless Service and Upgrades

Monitor unit health across fleets to quickly identify and control issues before they can become problems with PULS™ the programming, updates, and logistics system.

Optional

- ✓ Driver ID
- ✓ Piezo speaker, panic button, and privacy button
- ✓ Temperature sensing
- ✓ NMEA data
- ✓ Internal A/D input
- ✓ Serial cables
- ✓ Garmin® FMI compatible interface cable
- ✓ Power harness with two 3A fuses



Specifications - Ward Track 330i

General

Communication Modes

GPRS/EDGE/HSPA and CDMA 1xRTT packet data, UDP, and SMS

Location Technology 50 channel GPS

Operating Voltage 12 and 24 volt vehicle systems

Electrical

Operating Voltage 6-32 VDC

Power Consumption 3 mA @12 V (deep sleep)

10 mA @ 12 V (sleep on network with SMS)

20 mA @ 12 V (sleep on network with GPRS)

70 mA @ 12 V (active tracking)

Connectors, SIM Access

Connection Type 20-pin Molex-type fused power harness

GPS Antenna External SMA (with tamper monitoring, 3V) or internal

Cellular Antenna External or internal SMC

SIM Access Internal (GSM/GPRS or HSPA variant only)

GPS

Location Technology 50 channel GPS (with SBAS); SBAS: WAAS, EGNOS, MSAS, GAGAN

Location Accuracy 2.0 meter CEP (with SBAS)

Tracking Sensitivity -162 dBm

Acquisition Sensitivity -147 dBm

AGPS Capable

Cellular

Data Support SMS, GPRS, CDMA 1xRTT or HSPA packet data

Operating Bands (MHz)

GSM/GPRS 850/900/1800/1900

CDMA/1XRTT 850/1800

HSPA/UMTS 800(VI)/850(V)/900(VIII)/1700(IV)/1900(II)/2100(I)

Transmitter Power

GSM/GPRS 850/900 32.5 dBm

1800/1900 29.3 dBm

CDMA/1XRTT 850 24 dBm

1800 23 dBm

HSPA/UMTS all bands 23 dBm

HSPA data rates 5.6 Mbps upload/7.2 Mbps download

HSPA Fallback EDGE/GPRS/GSM quad band

EDGE MCS1-MCS9

3GPP Release 6

Comprehensive I/O

Digital Inputs 5 (1 fixed bias low, 4 programmable bias)

Digital Outputs 3 relay driver (200 mA)

Serial Interfaces 2 (1 TTL serial, 1 switched power TTL)

Analog Inputs 2 (1 internal VCC monitor, 1 external A/D input)

1-Wire® Interface Driver ID, temperature sense

Status LEDs GPS and cellular

Environmental

Temperature -30° to +75° C - *operating*
-40° to +85° C - *storage*

Humidity 95% RH @ 50° C non-condensing

Shock and Vibration U.S. Military Standards 202G and 810F, SAE J1455

EMC/EMI SAE J1113; FCC-Part 15B; Industry Canada

RoHS Compliant

Physical

Dimensions 90 x 54 x 20 mm

Weight 74 g external; 85 g internal - *estimated*

Certifications

Fully certified FCC, CE, IC, PTCRB, applicable carriers



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