



Zebra Enterprise Solutions

# WhereTrack™



DATASHEET

## Integrated Asset Tracking Product that Combines ISO/IEC 24730-2, Carrier Phase DGPS, and Wi-Fi Technologies to Track High Value Assets

Zebra Enterprise Solutions offers our WhereTrack to precisely track high value assets in large outdoor areas. The WhereTrack product, developed by WhereNet, integrates ISO/IEC 24730-2 transmitters with precise Carrier Phase DGPS. The combined technologies enable the WhereTrack product to yield accurate locates even when the WhereTrack transitions from an outdoor area with good GPS coverage to an area with poor GPS coverage. Data inputs are available to incorporate telemetry data with the location data transmissions for identifying critical events with reference to time and location. The WhereTrack is a custom embedded Linux device and offers unsurpassed programming flexibility.

The WhereTrack is a rugged asset tracking product designed to be vehicle mounted and use filtered vehicle power. The WhereTrack is fully supported with the WhereLAN and/or Wi-Fi infrastructure and middleware software applications.

**Precision GPS** — WhereTrack utilizes various GPS algorithms, from decimeter-accurate carrier phase DGPS, to 2-m accurate SBAS DGPS, to autonomous GPS, in order to deliver optimal tracking under changing environmental conditions.

**Communications modes** — Utilizing ISO/IEC 24730-2 air interface and/or IEEE 802.11b/g communication methods, data is transmitted to the RTLS infrastructure and Middleware applications to identify and precisely locate and track high value assets. The WhereTrack acts as a wireless gateway, which gives other vehicle-mounted devices access to the wireless network via the WhereTrack's Ethernet interface.

**Data input and output** — The WhereTrack supports Ethernet and RS-422/485 interfaces and up to eight discrete digital telemetry inputs.

**Middleware & Infrastructure Integration** — The WhereTrack product transmits data that is supported by the ISO/IEC 24730-2 infrastructure and middleware software applications.



### WHERETRACK BENEFITS:

- Integrated RTLS Capability
- Combined ISO/IEC 24730-2, GPS and Wi-Fi Technologies
- Carrier Phase DGPS
- SBAS DGPS
- Telemetry Data Inputs
- Multiple Communication Modes
- Ruggedized
- Vehicle Mounted

## WhereTrack Specifications at a Glance\*

### Model WTK-5000

Enviromental/Physical/Power	
Size	38.7 cm x 23.5 cm x 17 cm (15.24" x 9.24" x 6.71")
Environmental Sealing	IP67 (Dust tight, immersible)
Antenna	External, three 2.4 GHz and one GPS antenna
Operating Temperature	-40° C to +60° C (-40° F to +140° F)
Input Power	9-30 VDC @ 8 watts
Tracking	
Carrier Phase DGPS	50 cm RMS
ISO 24730	1 m
SBAS DGPS	1.7 m
Communication Mode	
802.11	Up to 380 m (1250 ft)
ISO/IEC 24730-2	Up to 900 m (3000 ft)
Regulatory Approvals	
<b>North America</b> <ul style="list-style-type: none"> <li>FCC Part 15 Class A, FCC Part 15 Subpart C, ICES-003, IC RSS-210, EN 55022 Class A, EN 300 328, EN 301 489, EN 60950, EMC Directive 204/108/EC, R&amp;TTE Directive 99/5/EC, LV Directive 2006/95/EC, cTUVus, ANSI INCITS 371.1-2003, ISO/IEC 24730-2 Compliant</li> </ul>	

\*Specifications are subject to change without notice.

Tracking and Communication Mode specifications are typical values under unobstructed conditions.



#### About Zebra Enterprise Solutions

Zebra Enterprise Solutions, a division of Zebra Technologies Corporation, extends Zebra's reach beyond passive RFID by employing state-of-the-art software and hardware solutions to locate, track, manage, and optimize high-value assets, equipment and people across the world's largest supply chains. Whether tracking containers through a port, optimizing parts for manufacturing, or managing ground support equipment at an airport, the real-time asset management solutions from the combination of Navis, WhereNet, proveo, and Multispectral Solutions provide improved visibility and velocity to gain measurable business improvements. Utilizing products that are based on ISO/IEC 24730-2, Cisco CCX Wi-Fi, precision GPS, and UWB technologies, Zebra Enterprise Solutions offers a wide range of location solutions that are "application matched," enabling its customers to put the right asset in the right place at the right time.

For more information about Zebra Enterprise Solutions visit [www.zebra.com/zes](http://www.zebra.com/zes).

2 For more information please contact us at **1-408-845-8500** or visit us at [www.zebra.com/zes](http://www.zebra.com/zes)

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