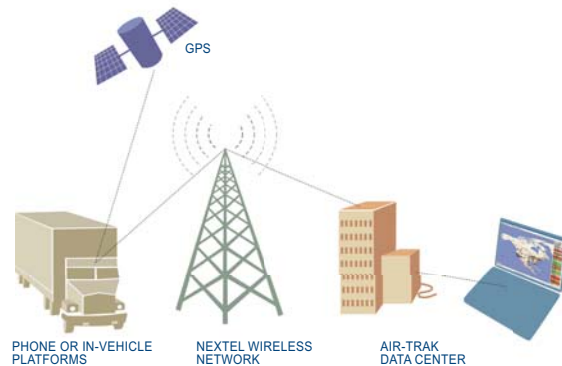


AIR-TRAK

In-Vehicle Platform

A rugged,
vehicle-mounted
unit delivering
always-on
tracking and
communications



Air-Trak In-Vehicle is a rugged, vehicle-mounted platform that enables dispatchers and managers to track and communicate with their mobile employees through the Nextel guaranteed wireless network. The platform offers many unique security, communications and data management advantages.

Comprehensive security

Air-Trak In-Vehicle ensures continuous tracking by remaining constantly connected to power, without needing to be activated by the mobile worker. Even when the vehicle is turned off, the unit continues tracking and stays active on the radio network.

To further safeguard your assets, Air-Trak In-Vehicle hardware can be hidden within the vehicle. The platform can monitor two circuits on the vehicle, such as the pressing of a button, opening of a door, or activation of a pump. If a condition is triggered, Air-Trak In-Vehicle can automatically generate on-screen and e-mail alerts, coupled with position and telemetry data. Additionally, one output circuit can be controlled remotely (e.g., for unlocking a door or sounding an alarm).

With a separately purchased laptop or PDA, standard e-mail can be sent to and from the unit's e-mail address as well as the worker's other e-mail accounts. Or, with the addition of an Air-Trak Mobile Data Terminal, text messages can be exchanged. Air-Trak forwards messages to all types of networks and devices, making communications transparent for both the sender and recipient.

Advanced data capture

The Air-Trak In-Vehicle platform allows you to obtain the most accurate and complete tracking data available, and apply that data in a variety of useful ways:

- A sophisticated GPS receiver provides location accuracy to within 10 meters.
- Data is stored when mobile workers are outside of coverage and is forwarded when coverage resumes.
- Three GPS-based odometers independently report mileage at any time or distance interval, when a vehicle loiters, or when a telemetry event triggers.
- Air-Trak In-Vehicle can provide streaming GPS data and act as a conduit for other real-time data.

With the Air-Trak In-Vehicle platform running on the Sprint Nextel network, your business can:

> Enhance safety and security

Always-on tracking, concealed hardware, and telemetry notification safeguard your mobile assets.

> Increase data fidelity and information capture

Store-and-forward data capture, transmission and GPS-based odometers provide continuous GPS tracking (independent of your reporting subscription rate).

> Encourage better communication

Optional two-way messaging and e-mail keep every vehicle in touch with dispatch.

> Track in demanding environments

All In-Vehicle platform hardware is built to withstand harsh conditions in mobile and industrial environments.

Air-Trak In-Vehicle units transmit GPS location and other data through the Sprint Nextel guaranteed wireless network to the Air-Trak Data Center, which you can access through an Internet-connected PC.

Air-Trak® In-Vehicle Platform



The compact Air-Trak In-Vehicle unit mounts easily under the dash.



Front



Back

Platform components and use

The Air-Trak In-Vehicle platform includes a radio modem, radio-modem antenna, GPS antenna, and power cables. Specialized antennas, telemetry devices, data cables and other optional accessories are also available. Installation is simple, even for non-technical users. The platform is configured remotely, begins tracking and messaging instantly, and consumes very little power.

The Air-Trak system

Air-Trak service can be deployed on any combination of supported Nextel GPS, Java-enabled phones from Sprint, Nextel BlackBerry® wireless handheld devices or Air-Trak in-vehicle platforms. With the addition of the Air-Trak SatCom Upgrade, phone and in-vehicle platforms can cost effectively provide 100 percent satellite coverage where cellular coverage is unavailable.

All Air-Trak systems are compatible with each other, easily upgraded, fully scalable (up to thousands of units), and conveniently monitored and managed through the Air-Trak Web Display or Enterprise Display application.

How will your business benefit from real-time visibility and control of your mobile resources?
Contact Air-Trak
877-Air-Trak (877-247-8725)
or your Sprint Nextel representative today to learn more, or visit www.air-trak.com.

Specifications:

Requirements

Data access plan
Public IP Address
PC with Internet connection

Optional Two-Way Messaging and E-mail

Compatible with Microsoft Outlook 2000 or later
Compatible with Microsoft Pocket Outlook 2000 or later
RS-232C connection required
DB-9 cable supplied

Power Inputs

Input Voltage 9.5-17 Vdc
Requires a constant automotive voltage input
For use on 12V vehicles only (24 V version is available)

Antenna Inputs

Antennas connect via a customer-configurable SMB connector for GPS and via an SMA female connector for cellular antennas, both per MIL-C-39012.

A variety of external antennas are available, from concealed antennas that enhance security to high-gain antennas that achieve optimum GPS accuracy and network reception.

GPS Output Port

Standard GPS serial output for mapping applications based on NMEA 0183 Version 2.3

Serial I/O Port

Customizations can be made to provide RS-232 data communications to and from most serial devices (i.e. bar code, RF readers, data loggers)

Telemetry I/O

Configurable discrete digital I/O signals: two input lines for input notification of binary events (door open, refrigerator alarm, etc.) and one output line for binary output control (unlock doors, honk horn, etc.)

Radio Data Modem

Motorola iDEN i01500R/io270

Diagnostics

Tracking Status
Power
Engine Operation Detector
Port Activity and Direction
Coverage
Serial Communications

Physical

Weight 430 grams
Dimensions Height 0.9 in.
Width 4.8 in.
Length 5.5 in.
Case Anodized aluminum

Environmental

Operating Temperature -35° C to +70° C
Storage Temperature -40° C to +80° C
Vibration Meets MIL-STD-810 for automotive applications
Shock Meets MIL-STD-202
Acceleration Meets MIL-STD-202
Humidity 100% non-condensing
Designation Indoor, shielded, automotive interior
Not designed for outdoor use. Do not expose to water.

Compliance

FCC Part 15.



AIR-TRAK®

Mobile Enterprise Integration