



Bringing Big Business Solutions to Everyday People

Airlink Pinpoint Modems – Trackem In-Vehicle Solution



- GPS enabled for mobile tracking
- Best suited for use in public safety, specialized transport, field service, and AVL applications
- LAN or Serial port connection provides connectivity for a laptop, or mobile data terminal
- Supports packet and circuit switched data connections
- On-board LEDs show the status of modem operation
- Always on/auto connect, auto answer/dial (for circuit switched calls) and TCP/IP support
- Rated intrinsically safe for use in hazardous locations (i.e. Oil and Gas applications)

Each Airlink wireless modem kit includes:

- Airlink PinPoint Wireless Modem
- Power adapter (AC or DC based on model)
- User Manual on CD
- Guide to Getting Started
- Warranty Card
- Network Standard Materials

What you can do:

- Your choice of a dedicated throughput or **GPS enabled modem**
- Instant connection to the wireless Internet through our 1X national network – no dialing up and no waiting.
- External modems ideal for public safety, logistics and utility industries for telemetry, remote monitoring and asset tracking applications.



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By blending always-on iDen/WiDen high-speed data with an integrated GPS receiver, the PinPoint provides scalable mobile data solutions for the enterprise. As a standalone in-vehicle device, it enables AVL, fleet management and dispatch applications. Its serial and digital interfaces enable other applications to communicate over the high-speed wireless network. Examples include public safety, field force automation, credit-card processing, and advanced telematics.

High-Speed iDen/WiDen Data Connections

- Rugged device for mobile data connections
- High-speed connectivity for any PC or handheld
- Integrated TCP/IP stack with support for PPP, NAT
- Serial interface for rugged Mobile Data Terminals

Internet Addressing

- Dynamic DNS support allows for device management by user-provided domain
- Supports Public Static IP Address Service allowing devices to be reached from anywhere

GPS/Location Based Services

- Integrated high-quality satellite GPS receiver
- Support for NMEA (GGA, RMC, VTG), TAIP, and AirLink Binary protocols
- Support for enhanced information such as speed, odometer, network status
- Provides data over wireless network, PPP connection, or as raw serial data stream
- Send GPS data based on time, distance, digital input, or combinations of events

Enhanced GPS and Embedded Mobile Applications

- Embedded OS provides GPS data over-the-air without need for PC or handheld
- Store-and-Forward prevents loss of GPS data when out of wireless coverage
- Voltage sensing technology and low-power shutdown prevent battery drain
- Support for grouped, polled, and stationary report intervals reduces data overhead
- Remote management and over-the-air upgrade capabilities for reduced support cost
- Open Application Protocol Interface and technical support for application developers

PHYSICAL CHARACTERISTICS:

- Weight: 2 lb.
- Size: 6.8" x 3.3" x 2"
- RF Antenna Connector: 50 Ohm TNC
- GPS Antenna Connector: SMA
- Serial Interface: RS-232 DB-9F / 1200-230400 bps



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ENVIRONMENTAL:

- Operating Temperature Range: -30°C to +70°C (10% duty cycle limit above 60°C)
- Humidity: 5% - 95% Non-condensing

RF FEATURES:

- Network: 800 MHz iDen
- Transmit Frequency: 806-825 MHz and 896-902 MHz
- Transmit power range at antenna port: 600mw nominal, Pulse average power
- Receiver Frequency: 851-870 MHz and 935-941 MHz

POWER MANAGEMENT FEATURES:

- Input Voltage: 9 VDC to 28 VDC
- Input Current: 30 mA to 550 mA
- Typical Receive: 450 mA at 12 VDC
- Typical Transmit: 550 mA at 12 VDC
- Low Power mode: 30 mA at 12 VDC