



PINPOINT

> FEATURES

- Proven CDMA technology
- Full duplex transceiver
- High speed data transfer rate
- Low power consumption
- Integrated TCP/IP Stack
- Support for SIP/MIP/DMU
- Ruggedized enclosure
- Convenient status LED display
- Compact size for easy install
- Optional mounting brackets
- External TNC antenna interface
- AT Command Interface
- Configuration Wizard
- Uses Standard Drivers
- Integrated GPS applications
- Support for multiple protocols
- GPS on time, distance, or input
- Supports multiple digital inputs
- Voltage monitoring intelligence
- Low-power sleep mode

> GPS INTERFACES

- NMEA
- TAIP
- AirLink Binary

> APPLICATION INTERFACES

Standard interfaces include:

- AT command set
- Host TCP/IP stack communicates with PinPoint via PPP
- Windows 95/98/2000/NT/XP Dial Up Networking communicates with PinPoint using PPP



SETTING THE STANDARD

With over a decade of maturity, the AirLink PinPoint is the standard by which other Mobile Data solutions are judged. Powered by the AirLink Embedded Operating System (ALEOS), the PinPoint CDMA is a powerful mobile communications platform.

POWER AND PRODUCTIVITY

By blending always-on 1XRTT 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 CDMA/1XRTT networks. Examples include public safety, field force automation, credit-card processing, and advanced telematics.

High-Speed 1XRTT Data Connections

- Rugged device for mobile data 1XRTT 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



Dynamic and Static IP Addressing and DNS

- Support for Dynamic and Static address services
- Dynamic DNS support allows for device management by user-provided domain
- Distinctive embedded Device ID in GPS messages reduces need for static addressing

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



PINPOINT

> MODULE SPECIFICATIONS

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

ENVIRONMENTAL:

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

RF FEATURES:

- 224 mW RF output (+23.5 dBm)
- Full duplex transceiver
- Dual-band support for both 800 MHz cellular and 1.9 GHz PCS bands
- Adheres to CDMA authentication as specified in CDMA2000 1X

PACKET MODE FEATURES (1xRTT):

- Data rates up to 153.6 kbps (forward channel) and 76.8 kbps (reverse channel)

POWER MANAGEMENT FEATURES:

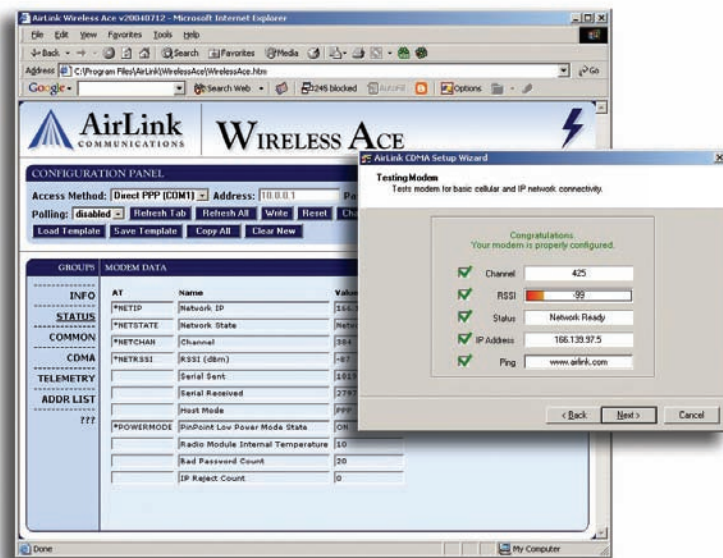
- Input Voltage: 9 VDC to 28 VDC
- Input Current: 20 mA to 350 mA
- Typical Transmit/Receive: 300ma at 12VDC
- Dormant connection [idle for 10-20 seconds]: 60 ma at 12 VDC
- Low power mode: 20 mA at 12 VDC

WIRELESS ACE

Wireless ACE is a browser-based graphical user interface for configuring and monitoring your intelligent AirLink wireless data platform.

Tens of thousands of AirLink PinPoints are currently installed in vehicles including police cruisers in New York, tour buses in Hawaii, tow trucks in Texas, and sanitation trucks in California. Using Wireless ACE, support personnel can access an AirLink PinPoint from anywhere at any time to see how it is operating or to change parameter settings.

The unique capabilities of Wireless ACE reduce the overall deployment and support costs throughout the life cycle of a mobile data communications project.



ACE templates enable efficient programming of PinPoints for large-scale deployments

ABOUT AIRLINK

AirLink Communications, Inc., founded in 1993, delivers wireless data solutions that enable pervasive connectivity to fixed and mobile assets. The company's continued industry leadership is based on its reputation for making complex wireless data solutions work. AirLink proactively designs and commercializes products based on a clear understanding of evolving customer needs. The company maintains strong working relationships with carriers, dealers and solutions providers. Its devices are broadly certified on all major wireless networks in North America. AirLink's multi-tiered product suite includes both hardware and comprehensive software.