

**KEY FEATURES**

- **Markets**  
Mobile Data  
Public Safety  
Field Service  
Automatic Vehicle Location (AVL)
- **Product Features**  
Embedded Intelligence  
High-Speed Processor  
Multiple Interfaces, I/O Ports  
Mil Spec Certified  
Low Power Mode  
3 Year Warranty
- **Product Benefits**  
Persistent Network Connectivity  
High-Speed 2-way Data  
Rugged for Extreme Environments  
Extensive Vehicle Telemetry  
Remote Management and Configuration

**TECHNICAL SPECIFICATIONS**

- **Technology**  
CDMA EV-DO Revision A  
With Fallback to:  
CDMA 1x EV-DO (Release 0)  
CDMA 1xRTT  
CDMA IS-95
- **Bands**  
800 Mhz Cellular  
1900 Mhz PCS
- **Environmental**  
Operating Temperature:  
-30 to 70° Celsius  
Storage Temperature:  
-40 to 85° Celsius
- **Power Consumption (@12V DC)**  
Transmit/Receive (Typical/Max): 316/340 mA  
Idle: 166 mA  
Low-Power Mode: 54 mA  
Input Voltage: 9 - 28V DC

- **Standards/Approvals**  
FCC  
Industry Canada  
Mil-Std 810-F  
Carrier specific approvals
- **Host Interfaces**  
Ethernet: 10/100 Mbps RJ-45  
USB Type B  
RS-232: DB9 DCE (300-230400 baud)  
I/O: 4 Digital, 4 Analog, 2 Relay  
Antenna Connection:  
Primary - 50 Ohm TNC  
Receive Diversity - 50 Ohm SMA  
GPS - 50 Ohm SMA
- **Dimensions**  
162 mm x 40 mm x 109 mm  
612 grams
- **Application Interfaces**  
TCP/IP, UDP/IP, DHCP, HTTP, SNMP,  
SMTP, SMS, MSCI, NMEA, TAIP, GPS  
Binary

- **LED Indicators**  
Network  
Signal  
Activity  
Service  
GPS  
Power

- **For More Information**  
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Access vital data

Enhance your response time

Improve your business



# AIRLINK™ PINPOINT X MOBILE NETWORKING AND COMMUNICATIONS PLATFORM FOR EV-DO REVISION A NETWORKS

## ■ Rugged Intelligence

Powered by ALEOS™ technology, the PinPoint X is a powerful, robust in-vehicle communications platform with a high-speed processor enabling mobile broadband data access. A 16-channel GPS receiver and embedded location protocols allow for accurate vehicle tracking, and expanded I/O functionality unleashes extensive remote instrumentation possibilities. In a sleek form-factor with a rugged aluminum case, the PinPoint X is Mil-Spec certified for reliable use in extreme environments.

## ■ Next Generation EV-DO Wireless Data

Featuring an advanced processing power and expanded memory, the PinPoint X is optimized for high-speed cellular networks. Leveraging high-speed EV-DO Revision A technology, the Sierra Wireless AirLink PinPoint X provides wide area wireless data access at speeds up to 3.1 Mbps downlink and 1.8 Mbps uplink. Users can expect average upload speeds of 300 - 500 Kbps, and download speeds of 450 Kbps - 1.4 Mbps. In areas where EV-DO Rev A is not available the PinPoint X is backward compatible to EV-DO Rev 0 and CDMA 1x technology.

## ■ The ALEOS™ Advantage

ALEOS, the embedded core technology available only from Sierra Wireless, simplifies installation, operation and maintenance of any solution, and provides an always-on, always-aware intelligent connection for mission-critical applications. Benefits of ALEOS include:

- Persistent Network Connectivity
- Real-Time Notification
- Over-The-Air (OTA) Upgrades
- Wireless Optimized TCP/IP
- Events Reporting
- Packet Level Diagnostics
- Device Management & Control
- Remote Application Protocol

## ■ AceWare™ Device Management

AceWare, the Sierra Wireless suite of tools and utilities, leveraging the intelligence of ALEOS, simplifies deployment as well as remote monitoring, control and management of the entire wireless solution.

### AceManager

Remote device configuration and management tool.

- Network Connectivity, Throughput and Signal Strength
- Real-Time Device Status and Health
- Comprehensive OTA Device Configuration and Firmware Updates

### AceNet

Enterprise-grade device management application.

- One-to-Many Device Configuration and Management
- OTA Parameter Settings and Firmware/PRL Updates
- Logs Performance Statistics
- Charts Modem Behavior for Performance Analysis

### AceView

Efficient status and connection monitoring application.

- Low-Profile, Easy-To-Read, On-Screen User-Interface
- Modem Status, Connectivity, Signal Strength
- GPS Signal and Mapping

## ■ Sierra Wireless Reliability And Support

Sierra Wireless has over 13 years experience and a solid reputation for high quality data products backed by a dedicated field and call center support team. For customers, the AirLink™ brand means reliable, intelligent data devices that enable enterprise customers to enhance their operations while reducing costs and increasing revenues.

|   | Applications           |
|---|------------------------|
| ✓ | Field Force Automation |
| ✓ | Mobile Office          |
| ✓ | Fleet Management       |
| ✓ | GPS Location           |
| ✓ | Law Enforcement        |
| ✓ | Fire and Rescue        |
| ✓ | Vehicle Telemetry      |



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