

# AirLink<sup>®</sup> GX440

## Intelligent 4G Gateway

## Rugged 4G LTE Gateway for Mobile Broadband Applications

### RELIABLE HIGH-SPEED DATA

The AirLink GX440 4G LTE intelligent gateway is ideal for M2M and mobile data applications where the highest data speeds are required. An embedded LTE data module and robust ARM11 class micro-processor enable the GX440 to support today's highest band-width solutions. The 100base-T Ethernet port enables simple integration with any IP enabled device, such as video surveillance cameras, in-vehicle mobile data terminals, digital signs and much more.

### EXPANDABLE, FLEXIBLE, MODULAR PLATFORM

The GX440 achieves high performance and reliability by offering GPS, 4G connectivity, and ALEOS™ embedded intelligence. An expansion slot enables the easy addition of I/O and communications ports, providing unparalleled flexibility and versatility. The existence of the expansion slot on the GX440 enables feature additions without comprehensive design changes and/or further certification.

The GX440 is designed for use in mobile environments (field service, public safety) or fixed/portable settings (security/surveillance, router back-up, digital signage). A "one device fits all" solution allows customers to deploy and manage the same device for multiple applications, simplifying deployment and management.

### RUGGED INTELLIGENCE

ALEOS embedded intelligence, powers AirLink devices, and supports 24/7 always-on availability, persistent connectivity, end-to-end security, real-time two-way data exchange, and remote device management. ALEOS features over 700 configurable parameters, including machine, routing and location protocols, security, events reporting and much more.

### REMOTE MANAGEMENT

ALEOS facilitates the comprehensive remote management capabilities of our AirLink device management tools to enable remote configuration, administration, and control of deployments of any size, from one device to thousands.

### INTELLIGENCE ON THE EDGE MADE EASY

The new ALEOS Application Framework is a powerful embedded software environment that helps accelerate M2M solutions development. By leveraging ALEOS embedded intelligence for foundational M2M features, ALEOS AAF provides the best of both worlds by supporting both out-of-the-box configuration with a programming environment to build customized solutions.

ALEOS AF enables developers to concentrate their development resources on building their specific application.



### KEY BENEFITS:

- 4G LTE support
- ARM11 class processor for optimal performance
- Persistent, reliable network connectivity
- Versatile for broadband M2M applications, including mobile and fixed solutions
- High performance and reliability
- Remote management, control and configuration
- Application Framework for developing custom M2M applications



POWERED BY:



# AirLink<sup>®</sup> GX440

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## Technical Specifications

### PRODUCT FEATURES

- Embedded LTE module
- ALEOS Embedded Intelligence
- Comprehensive device management and configuration
- Highly configurable with easy to use interface
- AirLink Configurable Rules Engine
- ALEOS Application Framework for custom M2M application
- Expansion card slot
- Rugged design
- Multiple connection options
- Robust ARM11 class processor
- 5 Year Warranty

### SECURITY

- Onboard IPsec SSL VPN Client
- VPN Pass-Through (AH protocols)
- GRE Tunneling
- MAC Address Filtering
- IP Filtering
- Port Filtering
- SSH
- HTTPS

### GPS TECHNOLOGY

- Precision GPS with active antenna port
- Garmin FMI support

### TECHNOLOGY

- LTE with fallback to: EV-DO Rev. A, CDMA EV-DO (Rev.0), CDMA 1xRTT

### BANDS

- LTE 700 MHz
- CDMA/EV-DO 800, 1900 MHz

### ENVIRONMENTAL

- Operating Temperature: -30°C to +70°C / -22°F to +158°F
- Storage Temperature: -40°C to +85°C / -40°F to +185°F

### DIMENSIONS

- 143 mm x 96 mm x 44 mm  
5.6 in x 3.8 in x 1.7 in
- 341 grams  
12 oz

### STANDARDS/APPROVALS

- FCC, Industry Canada
- RoHS Compliant
- CE, E-Mark
- Mil-Spec 810-F, IP64
- Class 1 Div 2
- Verizon Wireless Certified

### HOST INTERFACES

- 10/100 Base-T RJ45 Ethernet
- RS-232 Serial Port
- USB On The Go
- 1 Digital I/O Port
- Wi-Fi access point or client (optional expansion card)
- 3 SMA Antenna Connectors (RF, GPS, MIMO LTE or Rx Diversity EV-DO)

### APPLICATION INTERFACES

- TCP/IP, UDP/IP, DHCP, HTTP, NMEA, TAIP, TSIP, GPS

### LED INDICATORS

- Network
- Signal Strength
- Activity
- Power/GPS



### APPLICATIONS:

- Field Service
- Mobile Office
- Security Surveillance
- Retail / Point-of-Sale
- Business Continuity
- Digital Signage
- Streaming Media

