

# AIRLINK™ RAVEN XE INTELLIGENT WIRELESS COMMUNICATIONS GATEWAY FOR HSUPA NETWORKS

## KEY FEATURES

### ■ Markets

Financial  
ATM  
Retail/POS  
Advertising  
Kiosks  
Vending  
Business Continuity

### ■ Product Features

Embedded Intelligence  
Rugged Aluminum Case  
10/100 Mbps Ethernet Port  
Mini USB Device Port  
ARM9 Processor  
Small Form Factor

### ■ Product Benefits

Persistent Network Connectivity  
Compact Size  
Remote Management and Configuration  
High Speed Two-Way Data

## TECHNICAL SPECIFICATIONS

### ■ Technology

HSUPA  
With Fallback To:  
HSDPA  
UMTS  
EDGE  
GPRS (MS-12)  
GSM

### ■ Bands

850/900/1800/1900 MHz GSM  
850/1900/2100 MHz UMTS

### ■ Environmental

Operating Temperature:  
-30° to 70° Celsius  
Storage Temperature:  
-40° to 85° Celsius

### ■ Power Consumption (@12V DC)

Transmit/Receive (Typ/Max): 220/298 mA  
Idle: 140 mA  
Input Voltage: 9 - 28V DC

### ■ Standards/Approvals

FCC  
Industry Canada  
RoHS  
PTCRB  
Carrier specific approvals  
CE

### ■ Host Interfaces

Ethernet: 10/100 Mbps RJ-45  
USB: USB 2.0 (Mini-B5)  
Antenna Connection:  
Primary: 50 Ohm SMA  
Rx Div: 50 Ohm SMA  
I/O: 2 Software Configurable I/O Ports

### ■ Dimensions

76mm x 25mm x 104mm  
185 grams

### ■ Application Interfaces

TCP/IP, UDP/IP, DHCP, HTTP, SNMP,  
SMTP, SMS, MSCI, Modbus and more

### ■ LED Indicators

Network  
Signal  
Activity  
Power

### ■ For More Information

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## SIERRA WIRELESS, CONNECTING PEOPLE AND SYSTEMS TO MOBILE BROADBAND NETWORKS AROUND THE WORLD

Sierra Wireless modems and software connect people all over the world with mobile broadband networks that keep them in touch, informed, and productive from wherever they need to be. The Company offers a diverse product portfolio addressing enterprise, consumer, original equipment manufacturer, machine-to-machine, and specialized vertical industry markets. Sierra Wireless also provides professional services to customers requiring expertise in wireless design, integration, and carrier certification.

For more information, please visit our website, [www.sierrawireless.com](http://www.sierrawireless.com).

SIERRA WIRELESS  
**AIRLINK™ RAVEN XE**  
(HSUPA NETWORKS)

Access remote fixed and portable assets

Enable intelligent, high-speed data access

Improve your business



# AIRLINK™ RAVEN XE INTELLIGENT WIRELESS COMMUNICATIONS GATEWAY FOR HSUPA NETWORKS

## ■ Rugged Intelligence

Powered by ALEOS™ technology, the long-standing industry benchmark for reliable and feature-rich intelligence, the Raven XE provides the solution for enterprise customers requiring 24/7 unmanned operation of remote assets and high-speed broadband connectivity. Embedded machine protocols, ease of integration, and security protocols like IPSec VPN and GRE tunneling make the Raven XE the ideal solution for commercial and industrial applications requiring data security.

## ■ Ideal for Broadband Data Applications

The high-speed Ethernet interface and 3G optimized architecture make the Raven XE ideal for various commercial fixed or portable network connectivity applications. Equipped with a robust ARM9 processor, the Raven XE is optimized to perform on today's high-speed data networks. Its small form factor enables integration into close quarters, such as ATMs, kiosks and media servers. In addition, the mini-USB port increases flexibility and eases setup and diagnostics.

## ■ 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
- Extensive Machine Protocols
- Packet Level Diagnostics
- Device Management & Control
- Protocol Spoofing

## ■ 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 monitoring and configuration 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

## ■ Sierra Wireless Reliability And Support

Since 1993 Sierra Wireless has built 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	
✓	Surveillance/Streaming Video
✓	Retail/POS
✓	Vending/Kiosk
✓	Banking/ATM
✓	Multimedia
✓	Remote Monitoring and Control
✓	Business Continuity
✓	Wireless Networking



POWERED BY: ™