

# AIRLINK™ HELIX RT CELLULAR ROUTER FOR WIRELESS WAN APPLICATIONS

## KEY FEATURES

### ■ Markets

Retail / Financial  
Advertising  
Security / Surveillance  
Business Continuity  
Wireline Replacement  
Public Transit

### ■ Product Features

Embedded ALEOS™ Intelligence  
802.11 b/g Wi-Fi  
3G WAN Connectivity  
ACEnet™ Remote Management  
1-Year Warranty

### ■ Product Benefits

Easy Installation  
Connection Management  
Remote Management  
Integrated Failover  
Robust Security

## TECHNICAL SPECIFICATIONS

### ■ Connection

Choice of Embedded 3G Modem  
CDMA Rev. A  
HSPA

### ■ Environmental

Operating Temperature:  
-0° to 50° Celsius

### ■ Power Consumption (@12V DC)

Idle: 350 mA  
Transmit/Receive: 450 mA  
Input Voltage: 7-20V DC

### ■ Dimensions

159mm x 35mm x 180mm  
1021 grams

### ■ Application Interfaces

TCP/IP, UDP/IP, DHCP, HTTP, SNMP

### ■ LED Indicators

3G WAN connection  
Signal Strength  
Ethernet Activity

### ■ Standards/Approvals

FCC  
Carrier specific approvals  
RoHS compliant  
PTCRB  
CE

### ■ Host Interfaces

Dedicated Ethernet LAN  
Configurable Ethernet WAN/LAN  
Antenna Connection:  
2 Cellular - 50 Ohm SMA  
2 Wi-Fi - 50 Ohm SMA

### ■ Security

Onboard IPsec VPN client  
VPN pass-through (ESP, AH protocols)  
GRE Tunneling  
WPA2 enterprise Wi-Fi encryption  
Stateful packet inspection firewall  
MAC address filtering

### ■ For More Information

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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.

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SIERRA WIRELESS  
AIRLINK™ HELIX RT

Connect securely

Manage remotely

Improve your business



# AIRLINK™ HELIX RT CELLULAR ROUTER FOR WIRELESS WAN APPLICATIONS

## ■ Wireless Router

The AirLink Helix RT mobile broadband router features embedded ALEOS™ intelligence on a robust 3G routing platform. Helix RT is equipped with two high-speed Ethernet ports and an optional secure Wi-Fi access point, delivering a single-device solution for extending an enterprise network into the field. The IPsec-compliant onboard VPN client can provide an encrypted tunnel from the Helix RT router to any enterprise network.

## ■ Business Continuity

The Helix RT router provides managed failover to ensure reliable WAN connectivity. When used with any Ethernet WAN connection (DSL, satellite, etc), either the Ethernet connection or the onboard 3G modem can be designated as the primary WAN connection. Helix RT routes traffic through the designated primary WAN and switches to the designated secondary WAN connection if the primary connection is unavailable. This intelligence ensures data continuity for businesses that rely on real-time transaction processing, security monitoring, or online customer service functions.

## ■ Field Connectivity

Helix RT routers can serve as a central hub of connectivity for remote locations. By providing a complete network solution in one device, the Helix RT can support retail locations, field teams, and other fixed or mobile enterprise environments that need secure, reliable connectivity. When deployed in combination with ACEnet remote management, a large Helix RT deployment can be monitored and configured centrally by IT managers, ensuring a single seamless network solution to any location within reach of a 3G network.

## ■ 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:

- Real-Time Notification
- Over-The-Air (OTA) Upgrades
- IPsec VPN
- Packet Level Diagnostics
- Device Management & Control
- Protocol Spoofing

## ■ ACEware™ Device Management

ACEware, the Sierra Wireless suite of tools and utilities, which leverages the intelligence of ALEOS, simplifies deployment, remote monitoring, control, and management of the entire wireless solution.

### ACEmanager

Remote device monitoring and configuration tool.

- Network Connectivity, Throughput 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

### ACEview

Efficient status and connection monitoring application.

- Gateway Status, Connectivity, Signal Strength

## ■ Sierra Wireless Reliability And Support

Since 1993, Sierra Wireless has been delivering 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 Office Networks
✓	Video Surveillance
✓	Streaming Media
✓	Surveillance
✓	Digital Signage
✓	Field Force Management
✓	Vehicle Telemetry
✓	Remote Monitoring and Control
✓	Point of Sale/Kiosk



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