

# AIRLINK™ HELIX RT INTELLIGENT, CELLULAR 3G ROUTER FOR HSUPA NETWORKS

## KEY FEATURES

### ■ Product Benefits

- Simplified Installation
- Hosted Remote Management
- Automated Failover
- Robust Security
- Reliable Connectivity
- Multiple Connection Ports
- Embedded Intelligence
- Durable Design

### ■ 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



## TECHNICAL SPECIFICATIONS

### ■ Technology

Embedded HSUPA 3G Module  
(with fallback to earlier technologies)

### ■ Environmental

Operating Temperature:  
0°C to +50°C / 32°F to +122°F  
Storage Temperature:  
-40°C to +80°C / -40°F to +176°F

### ■ Power Consumption (@12V DC)

Idle: 100 mA  
Transmit/Receive (Typical/Max): 520/900 mA  
Input Voltage: 7-20V DC

### ■ Dimensions

159 mm x 35 mm x 180 mm  
1021 grams  
6.3 in x 1.4 in x 7.1 in  
36.0 oz

### ■ Standards/Approvals

FCC  
Carrier specific approvals  
RoHS compliant  
PTCRB  
CE

### ■ Host Interfaces

Dedicated Ethernet LAN  
Configurable Ethernet WAN/LAN  
Host USB Port (Type A)  
Antenna Connection:  
2 Cellular - 50 Ohm SMA  
2 Wi-Fi - 50 Ohm SMA (Optional)

### ■ Application Interfaces

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

### ■ LED Indicators

WAN and 3G Status  
Modem Status  
Signal Strength  
Ethernet Activity

## Reliability and Support

Since 1993, Sierra Wireless has been delivering high quality data products backed by a dedicated field and call center support team. The AirLink brand stands for reliable, intelligent data devices that enhance operations while reducing costs and increasing revenues.

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

Sierra Wireless products connect people and machines to wireless networks around the world. We offer an advanced, comprehensive product line, addressing consumer, enterprise, original equipment manufacturer, and specialized vertical industry markets. Our solutions are used for mobile computing, transportation, industrial M2M (machine-to-machine), enterprise, residential and consumer communications applications. We also provide 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).

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## AIRLINK™ HELIX RT (HSUPA NETWORKS)

## Commercial 3G Router

Seamless deployment

Secure connectivity

Remote management



# AIRLINK™ HELIX RT INTELLIGENT, CELLULAR 3G ROUTER FOR HSUPA NETWORKS

## ■ Wireless Cellular 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 a commercial network into the field. The IPsec-compliant onboard VPN client can provide an encrypted tunnel from the Helix RT router to a commercial network.

## ■ Business Continuity

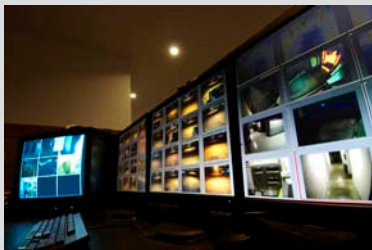
The Helix RT router provides managed failover to ensure reliable WAN connectivity. When used with any Ethernet WAN connection (DSL, satellite, etc), either the Ethernet connection or the onboard 3G modem can be designated as the primary WAN connection. Helix RT routes traffic through the designated primary 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.

## ■ Remote Management

Managing a deployment of cellular gateways and routers can be a daunting task for an organization. ACEware remote management and configuration tools provide an easy to use, scalable solution for managing deployments ranging from one to thousands of devices from anywhere with an Internet connection. Every Helix RT includes ACEmanager to allow a customer to configure one device at a time from anywhere, while ACEnet provides a truly scalable hosted remote management platform for managing an entire deployment of devices.

- SIMPLE DEPLOYMENT AND MANAGEMENT FOR COMPLEX SOLUTIONS
- FULL ROUTING CAPABILITIES
- INTELLIGENT LAN TO WAN FAILOVER
- HOSTED REMOTE MANAGEMENT LOWERS COST OF OWNERSHIP
- ROBUST SECURITY PROTECTS YOUR DATA

Applications
• Primary and Backup Connection
• Field Offices
• Remote Locations
• Temporary Offices
• Point of Sale / Kiosk
• Digital Signage
• Surveillance



### ACEware™ Device Management

Embedded software technology from Sierra Wireless, delivering reliable and easy-to-use networking solutions across every AirLink product.

A comprehensive suite of management and configuration tools supporting both local and remote management of any size deployment includes:

- ACEmanager™** Remote device monitoring and configuration tool. Included with every AirLink device.
- ACEnet™** Enterprise-grade, hosted remote management application. Enables management of an entire deployment of AirLink gateways and routers.



### ALEOS Intelligence

Embedded Technology from Sierra Wireless

#### KEY BENEFITS

- Simplifies Installation and Maintenance
- Persistent Network Connectivity
- Real-Time Notification
- Over-The-Air (OTA) Upgrades
- Device Management & Control



POWERED BY: ALEOS™

\* For more information on ALEOS and ACEware, please visit [http://www.sierrawireless.com/software/M2M\\_solutions.aspx](http://www.sierrawireless.com/software/M2M_solutions.aspx).