



DATASHEET

RadioLinx® Intelligent Cellular Ethernet Gateway for HSUPA (3G GSM) Networks RLXIC-EH

RadioLinx® Intelligent Cellular Ethernet Gateways for HSUPA (3G GSM) networks provide high speed, wide area wireless connectivity for industrial Ethernet devices.

Use the RLXIC-EH Ethernet Gateway for applications requiring Ethernet connectivity on cellular carriers that use GSM (Global System for Mobile Communications) to provide service. Carriers using GSM include AT&T in the USA. GSM is also the predominant cellular technology in most other parts of the world.

The RLXIC-EH has a compact form factor, low power consumption and is Class I Div 2 certified for hazardous locations. Applications include SCADA for oil & gas, water & wastewater, and electric utility automation; as well as M2M applications such as remote equipment monitoring, management and control.



Features	Benefits
Cellular Wide Area Wireless Networking	<ul style="list-style-type: none">◆ Leverage existing, secure cellular infrastructure and avoid need for expensive antenna & cable installations and / or new antenna towers◆ Licensed frequencies and cellular technology limits interference common to unlicensed bands◆ Utilize cellular network backhaul to bring data from geographically diverse locations through the internet to one or more locations
ALEOS™ Embedded Intelligence	<ul style="list-style-type: none">◆ Reliable, persistent network connectivity◆ Real-time device status and health including network connectivity, throughput and signal strength◆ Over-the-air device configuration and firmware updates
Integrated Industrial Protocol Support	<ul style="list-style-type: none">◆ Simple integration with industrial Ethernet devices◆ Two digital I/O ports enable exception based communications from remote equipment
Easy to Configure and Monitor	<ul style="list-style-type: none">◆ USB port simplifies configuration and troubleshooting◆ AceManager utility for local or over-the-air device configuration or diagnostics◆ Configuration templates may be customized and copied to many devices
Backed by ProSoft Technology®	<ul style="list-style-type: none">◆ Cellular service provider expertise to assist with selection of the best carrier and service features for your application◆ Industrial data communications experts who understand your protocols, devices and applications◆ Three year standard warranty

Configuration

RadioLinx Intelligent Cellular products are configured using the included AceManager device monitoring and configuration tool. AceManager supports remote, over-the-air device configuration and firmware updates. Remote diagnostics include network connectivity, throughput, and signal strength. An enterprise-grade application, AceNet, is available separately and enables one-to-many device configuration, management and logging of performance statistics.



Specifications

Radio

Cellular Technology	HSUPA with fallback to: <ul style="list-style-type: none">◆ HSDPA◆ UMTS◆ EDGE◆ GPRS (MS-12)◆ GSM
Tri-band UMTS/HSDPA/HSUPA	850/1900/2100 MHz
Quad-band GPRS/EDGE	850/900/1800/1900 MHz
Typical Downlink Speeds	600 kbps to 1.2 Mbps ¹ (HSUPA)
Typical Uplink Speeds	500 kbps to 800 kbps ¹ (HSUPA)

Dimensions & Interfaces

Size	103 x 76 x 27 mm (L x W x D) 4.1 x 3.0 x 1.1 in
Weight	185 grams (6.5 oz)
Enclosure	Aluminum. DIN-rail mounting clip included
Ethernet	10/100 Mbps RJ-45
USB	2.0 (Mini-B5)
Antenna – primary	SMA 50 Ohm
Antenna – receive diversity	SMA 50 Ohm
I/O Port	2 digital
LED Indicators	Network, Signal, Activity, Power
Applications Interfaces	TCP/IP, UDP/IP, DHCP, HTTP, SNMP, SMTP, SMS, MSCI

Environmental & Power

Operating Temperature	-30°C to 70°C
Storage Temperature	-40°C to 85°C
Input Voltage	9 – 28 VDC
Input Current	40 – 350 mA
Idle Current	140 mA @ 12 VDC
Transmit/Receive (Typical/Max)	220/298 mA @ 12 VDC

¹ Depending on carrier, available network bandwidth and operating mode.

Agency Approvals & Certifications

Wireless Approvals

Visit our web site www.prosoft-technology.com for current wireless approval information.

Hazardous Locations

Intertek ISA 12.12.01 Class I, Division 2, Groups A, B, C, D
C22.2 213-M1987



N7NMC8781



Industry
Canada

2417C-MC8781

Industrie
Canada

2417C-MC8781



RoHS PTCRB



Additional Products

ProSoft Technology® offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

For a complete list of products, visit our web site at:

www.prosoft-technology.com

Ordering Information

If you are unsure which product to select, please contact your local distributor. To order this product, please use the following:

Intelligent Cellular Ethernet Gateway for HSUPA (3G GSM) Networks

Kits

N America: RLXIC-EH-A

Rest of world: RLXIC-EH-I

Includes: radio, 2 dBi antenna, Ethernet and USB cable, DIN-rail bracket, CD, and AC power supply

Radio Only

N America: RLXIC-EH-A-RO

Rest of world: RLXIC-EH-I-RO

Includes: radio, DIN-rail bracket and DC power cable

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft Technology distributors near you, go to:

www.prosoft-technology.com

and select Distributors from the menu.

Place your order by email or fax to:

North American / Latin American / Asia Pacific

orders@prosoft-technology.com,

fax to +1 661.716.5101

Europe / Middle East / Africa

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fax to +33 (0) 5.61.78.40.52

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Specifications subject to change without notice.