

## RadioLinx<sup>®</sup> Intelligent Cellular Serial Modem for Global GPRS/GSM RLXIC-SG

RadioLinx Intelligent Cellular serial modems for global GPRS/GSM networks provide wide area wireless connectivity for industrial serial devices.

Use the RLXIC-SG Serial Gateway for applications requiring serial 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-SG 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"> <li>◆ Leverage existing, secure cellular infrastructure and avoid need for expensive antenna &amp; cable installations and / or new antenna towers</li> <li>◆ Licensed frequencies and cellular technology limits interference common to unlicensed bands</li> <li>◆ Utilize cellular network backhaul to bring data from geographically diverse locations through the internet to one or more locations</li> </ul>
ALEOS™ Embedded Intelligence	<ul style="list-style-type: none"> <li>◆ Reliable, persistent network connectivity</li> <li>◆ Real-time device status and health including network connectivity, throughput and signal strength</li> <li>◆ Over-the-air device configuration and firmware updates</li> </ul>
Integrated Industrial Protocol Support	<ul style="list-style-type: none"> <li>◆ Simple integration with serial industrial devices</li> <li>◆ Standard configuration templates for Modbus and DF1 protocols included</li> <li>◆ Two digital I/O ports enable exception based communications from remote equipment</li> </ul>
Easy to Configure and Monitor	<ul style="list-style-type: none"> <li>◆ USB port simplifies configuration and troubleshooting</li> <li>◆ AceManager utility for local or over-the-air device configuration, and diagnostics</li> <li>◆ Configuration templates may be customized and copied to many devices</li> </ul>
Backed by ProSoft Technology <sup>®</sup>	<ul style="list-style-type: none"> <li>◆ Cellular service provider expertise to assist with selection of the best carrier and service features for your application</li> <li>◆ Industrial data communications experts who understand your protocols, devices and applications</li> <li>◆ Three year standard warranty</li> </ul>

### 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	GPRS (M-12) with fallback to GSM
Bands	Quad-band 850/900/1800/1900
Typical Downlink Speeds	70 to 135 kbps <sup>1</sup>
Typical Uplink Speeds	60 to 80 kbps <sup>1</sup>

### Dimensions & Interfaces

Size	100 x 76 x 27 mm (L x W x D) 3.9 x 3.0 x 1.1 in
Weight	160 grams (5.6 oz)
Enclosure	Aluminum. DIN-rail mounting clip included
Serial Port	RS-232 DB9 (1200 – 230400 baud)
USB	2.0 (Mini-B5)
Antenna	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, Modbus, DF1 and more

### Environmental & Power

Operating Temperature	-30°C to 65°C
Storage Temperature	-40°C to 85°C
Input Voltage	9 – 28 VDC
Input Current	40 – 140 mA
Idle Current	104 mA @ 12 VDC
Transmit/Receive (Typical/Max)	350/450 mA @ 12 VDC

<sup>1</sup> Depending on carrier, available network bandwidth and operating mode.

## Agency Approvals & Certifications

### Wireless Approvals

Visit our web site [www.prosoft-technology.com](http://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

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](http://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 Serial Modem for Global GPRS/GSM

### Kits

Global: RLXIC-SG

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

### Radio Only

Global: RLXIC-SG-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](http://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](mailto:orders@prosoft-technology.com),  
fax to +1 661.716.5101

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Specifications subject to change without notice.