



# DATASHEET

## RadioLinx<sup>®</sup> Intelligent Cellular Ethernet Gateway for Verizon RLXIC-EV

RadioLinx<sup>®</sup> Intelligent Cellular Ethernet modems for the Verizon Wireless USA network provide wide area wireless connectivity for industrial Ethernet devices.

Use the RLXIC-EV Ethernet Gateway for applications requiring Ethernet connectivity on Verizon Wireless networks. The RLXIC-EV supports the latest 3G CDMA speeds using EV-DO Rev A technology.

The RLXIC-EV 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 industrial Ethernet devices</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 or 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	CDMA EV-DO Rev A with fall back to: <ul style="list-style-type: none"><li>◆ CDMA 1x EV-DO Rev 0</li><li>◆ CDMA 1xRTT</li><li>◆ CDMA IS-95</li></ul>
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Bands	800 MHz cellular 1900 MHz PCS
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Typical Downlink Speeds	Up to 3.1 Mbps <sup>1</sup>
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Typical Uplink Speeds	Up to 1.8 Mbps <sup>1</sup>
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### Dimensions & Interfaces

Size	104 x 76 x 27 mm (L x W x D) 4.1 x 3.0 x 1.1 in
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Weight	160 grams (5.6 oz)
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Enclosure	Aluminum. DIN-rail mounting clip included
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USB	2.0 (Mini-B5)
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Antenna	SMA 50 Ohm
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I/O Port	2 digital
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LED Indicators	Network, Signal, Activity, Power
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Applications Interfaces	TCP/IP, UDP/IP, DHCP, HTTP, SNMP, SMTP, SMS, MSCI, Modbus, DF1, and more
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### Environmental & Power

Operating Temperature	-30°C to 70°C
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Storage Temperature	-40°C to 85°C
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Input Voltage	9 Vdc to 28 Vdc
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Relative Humidity	Up to 95% RH (with no condensation)
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Vibration	IEC 60068 2-6 (10 Hz to 150 Hz)
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Shock	IEC 60068 2-6 (20g, 3-Axis)
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Input Current	110 mA to 250 mA
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Idle Current	80 mA @ 12 Vdc
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Transmit/Receive (Typical/Max)	350 mA to 450 mA @ 12 Vdc
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<sup>1</sup> Theoretical peak, actual throughput will depend on 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	



## 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

To order this product, please use the following:

## RadioLinx® Intelligent Cellular Ethernet Gateway for Verizon

RLXIC-EV

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)  
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