

DATASHEET

RadioLinx[®] Intelligent Cellular Serial Modem for the Verizon Wireless CDMA Network RLXIC-SV

RadioLinx[®] Intelligent Cellular serial modems for Verizon Wireless' USA network provide wide area wireless connectivity for industrial serial devices.

Use the RLXIC-SV Serial Gateway for applications requiring serial connectivity on cellular carriers that use CDMA (Code Division Multiple Access) to provide service. Carriers using CDMA include Verizon in the USA.

The RLXIC-SV 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 serial industrial devices ◆ Standard configuration templates for Modbus and DF1 protocols included ◆ 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, and 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	CDMA EV-DO Rev A with fall back to: <ul style="list-style-type: none">◆ CDMA 1x EV-DO Rev 0◆ CDMA 1xRTT◆ CDMA IS-95
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Bands	800 MHz cellular 1900 MHz PCS
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Typical Downlink Speeds	Up to 3.1 Mbps ¹
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Typical Uplink Speeds	Up to 1.8 Mbps ¹
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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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Restrained Cargo	ASTN D-4 169
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Vibration	IEC60068 2-6 (10 Hz to 150 Hz)
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Shock	IEC60068 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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¹ 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 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

Ordering Information

To order this product, please use the following:

RadioLinx® Intelligent Cellular Serial Modem for the Verizon Wireless CDMA Network

RLXIC-SV

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
europe@prosoft-technology.com
fax to +33 (0) 5.61.78.40.52

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Specifications subject to change without notice.