



Collaborative Automation
Partner Program



Ex II 3 G EEx nC IIC DEMKO
04 ATEX 04137473U

CE 0336

Ambient: $40^{\circ}\text{C} \leq T_a \leq 75^{\circ}\text{C}$ Temp.
Code: T4A 6 to 28 Volts DC 6 Watts

UL LISTED 62XN Class I Division 2 Groups A, B, C & D RADIO
DEVICE FOR HAZARDOUS LOCATIONS

RadioLinX Industrial Hotspot RLX-IH

Use the RLX-IH in any application where secure, high speed, un-tethered Ethernet connectivity is required.

- Industrial Hotspot™ connects tablets, laptops, PDAs, and other wireless devices to remotely program PLCs or monitor your application.
- Industrial Hotspot™ offers redundant master and self-healing network. Fast enough to handle your SCADA data and security video!!
- Industrial Hotspot™ for wireless networking of fixed and mobile equipment on the factory floor, bridging factory floor to IT, and for efficiently linking short and long distances in outdoor applications.

How to Contact Us: Sales and Support

All ProSoft Technology® products are backed with unlimited technical support. Contact our worldwide Technical Support team directly by phone or email:

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Languages spoken include: Portuguese, English

RadioLinX Industrial Hotspot

RLX-IH

The RadioLinX Industrial Hotspot is four times more powerful than high-speed commercial grade radios and allows better coverage of the factory floor with fewer radios and provides outdoor links of up to 20+ miles.

Features and Benefits

- Single unit repeater functionality
- Powerful transmitter with amplifier option for long range outdoor applications
- Redundant master radios
- WPA encryption, 802.1x and MAC ID authentication
- Built-in web server for browser-based configuration and remote diagnostics
- Automatic Parent Selection & Prioritized Parent Selection
- Each Hotspot continuously monitors the network and adapts to the most reliable connections
- 802.11 monitoring shows you what 802.11 devices are in their area and how strong they are
- 802.1w RSTP allows you to create redundant connections and allows the network to rapidly adapt to changes or faults
- Windows IH Browser shows you what Ethernet devices are communicating on your network
- Fast data throughput
- Compatible with any device that supports EtherNet/IP, Modbus TCP/IP, or any 802.3 compliant Ethernet protocol
- Three year standard warranty

Specifications

Radio	
Frequency	2400 to 2483.5 MHz (USA)*
Wireless Medium	Direct sequence spread spectrum
Network standard	802.11b
Output power	200 mW / 500 mW** (32 mW – Europe/Asia)
Channel data rates	11, 5.5, 2, 1 Mbps
Receiver sensitivity	-86 dBm @ 11 Mbps -88 dBm @ 5.5 Mbps -90 dBm @ 2 Mbps -92 dBm @ 1 Mbps
Channels – user selectable	11 – North America 13 – Europe
Outdoor range	20 + miles at 11 Mbps

Radio	
Security	802.1x authentication MAC white list WPA encryption WEP for legacy devices

Physical	
Enclosure	Extruded aluminum with DIN and panel mount
Size	3.98 in. x 3.475 in. x 2.183 in.
Vibration	IEC 60068-2-6
Shock	IEC 60068-2-27
Ethernet port	10/100 Base-T connector, shielded RJ45 IEEE 802.3, 802.3u, 802.3x
Antenna ports	Two RP-SMA connectors, automatic receive diversity
Weight	1.15 lbs /522g

Environmental	
Operating temperature	-30°C to +60°C
Humidity	To 90% RH, non-condensing
External power	10 to 24 VDC
Average power	< 6W

* Varies for other countries

** With external amplifier

Regulatory Approvals

Type Approvals	
FCC	FCC Part 15.247
Industry Canada	RSS 210
Europe / CE	LVD EN 50850-2000 RF Safety EN 50364-2001 EMC EN 301 489-1, EN 301 489-17 Spectrum EN 300 328 v1.4.1
Mexico	Nom 121 SCT1 2 or 1
Australia	AS/NZS 4771
Brazil	365 / 2004 e 238 / 2000
Malaysia	SIRIM

Hazardous Locations	
UL	UL 1604 Class 1 Division 2, Groups A, B, C, D Temp Code T4A
CSA/cUL	C22.2 No. 213-1987
ATEX Zone 2	ATEX II 3 G EEx nC IIC

Visit our web site for the latest certification information.

Additional Products

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

Visit our web site at <http://www.prosoft-technology.com> for a complete list of products.

Ordering Information

Use the following Ordering Information to identify the radio product needed for your region. If you are unsure which radio to select, please contact your local distributor.

RadioLinx 2.4 GHz Industrial Hotspot

Country	Catalog #	Frequency	RF Power	Pwr Sply
Australia	RLX-IH-AU	2400 to 2483.5 MHz	4W	AU
Brazil	RLX-IH-US	2400 to 2483.5 MHz	4W	US
China	RLX-IH-CN	2400 to 2483.5 MHz	500 mW EIRP	EU
Europe	RLX-IH-EU	2400 to 2483.5 MHz	100 mW EIRP	EU
France	RLX-IH-FR	2400 to 2454 MHz	100 mW EIRP	EU
India	RLX-IH-UK	2400 to 2483.5 MHz	100 mW EIRP	UK
Malaysia	RLX-IH-UK	2400 to 2483.5 MHz	100 mW EIRP	UK
Mexico	RLX-IH-MX	2450 to 2483.5 MHz	650 mW EIRP	US
Saudi Arabia	RLX-IH-SA	2413 to 2439 MHz	100 mW EIRP	US
Singapore	RLX-IH-SG	2400 to 2483.5 MHz	100 mW EIRP	UK
South Africa	RLX-IH-EU	2400 to 2483.5 MHz	100 mW EIRP	EU
South Korea	RLX-IH-EU	2400 to 2483.5 MHz	100 mW EIRP	EU
United Kingdom	RLX-IH-UK	2400 to 2483.5 MHz	100 mW EIRP	UK
USA	RLX-IH-US	2400 to 2483.5 MHz	4W	US
Venezuela	RLX-IH-VE	2400 to 2483.5 MHz	4W	US

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft distributors near you, go to <http://www.prosoft-technology.com>

Distributors:

Place your order by email or fax to:

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