RadioLinx Industrial Hotspot

RLX-IH

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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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
- 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
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" x 3.475" x 2.183"

Physical

Ethernet port	10/100 Base-T connector, shielded RJ45
	IEEE 802.3, 802.3u, 802.3x
Antenna ports	(2) 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 1	ATEX I
ATEZ 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

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

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

Note:

The RLX-IH is in an End of Sales Period, effective February 16, 2010. Thereafter, the product will continue to be supported until February 16, 2014. The recommended replacements for this product are the RLXIB-IHG or RLXIB-IHW.

For more information on the Product Retirement Program, please visit: http://www.prosoft-technology.com/products/product_retirement_program

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

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