

Applications

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

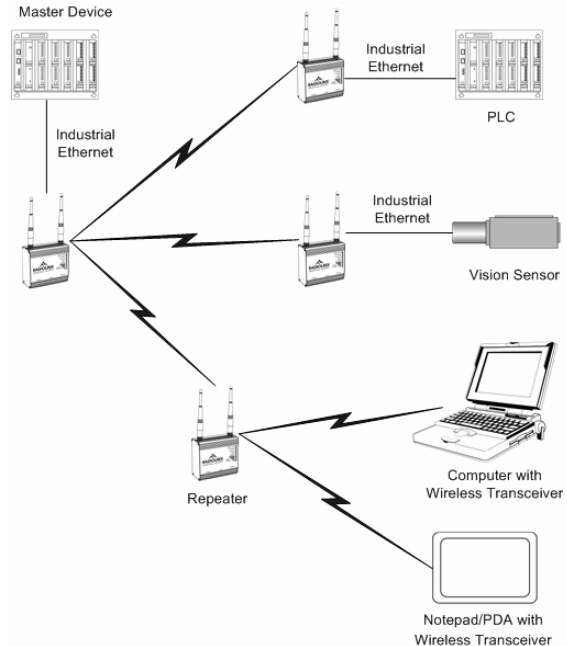
- Industrial Hotspot™ for connecting tablet computers, laptops, PDAs, and other wireless-enabled devices on the plant floor or in the field to remotely program PLCs or monitor your application.
- Industrial Hotspot™ for demanding SCADA communications in water & wastewater, oil & gas and power & utility applications due to 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.

Product Description

The RadioLinx Industrial Hotspot™ (RLX-IH) is an ultra-fast wireless solution for the most demanding industrial applications. While providing the benefits of industrial wireless Ethernet connectivity for fixed or mobile devices with 10/100 Base-T Ethernet connections, the RLX-IH acts as a repeater and an “Industrial Hotspot”™ for other wireless client devices.

Four times more powerful than high-speed commercial grade radios, RLX-IH allows better coverage of the factory floor with fewer radios and outdoor links of 20+ miles.

ProSoft offers wireless engineering services such as electronic radio path analysis, to complement ProSoft's industrial communications expertise.



Features and Benefits

- Single unit repeater functionality – no more stringing Ethernet cable between “wireless” access points.
- Attach an Ethernet device directly to an RLX-IH without loss of access point functionality
- Powerful transmitter with amplifier option for long range outdoors and superior coverage with fewer radios indoors
- Redundant master radios and self-healing network features for dependable operation
- Security you can trust with strong WPA encryption, 802.1X and MAC ID authentication
- Built-in web server for browser based configuration and remote diagnostics
- Fast data throughput to support data intensive applications such as security cameras
- All in a rugged, extruded aluminum DIN rail mount enclosure
- Quality backed by a standard three-year warranty

RadioLinx Industrial Hotspot

RLX-IH is compatible with any device that supports EtherNet/IP, Modbus/TCP, or any 802.3 compliant Ethernet protocol.

Devices include:

- PLCs
- I/O devices
- MMIs
- Tablet Computers



Integrated web server interface for easy configuration and diagnostics from your laptop or PDA!

For serial devices, use ProSoft’s in-chassis or external communication gateways to convert to Ethernet.

Note:

Data throughput may be adversely affected if the RLX-IH network is not isolated from unnecessary LAN traffic via appropriate routers or other means. Data throughput may also be adversely affected by high-levels of in-channel noise sources (including other 802.11 b/g radios). Please select a channel that is not used or that has low utilization.

Physical Specifications

Enclosure	Extruded aluminum with DIN and panel mount
Size W x H x D	3.98" x 3.475" x 2.183"
Ethernet Port	(1) RJ45 10/100 Base-T connector
Serial Port	(1) RS-232 connector – reserved for future use
Antenna Ports	(2) RP-SMA connectors, automatic antenna diversity
Weight	1.15 lbs / 522g

Hardware Specifications

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

Radio Specifications

Frequency	2400 to 2483.5 MHz (USA)*
Wireless medium	Direct sequence spread spectrum
Network standard	802.11b
Output power	200 mW / 500 mW**
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

* Varies for other countries

** With external amplifier

Regulatory Approvals

FCC	FCC Part 15.247
Industry Canada	RSS 210
Europe / CE	LVD EN 50950-2000 RF Safety EN 50364-2001 EMC EN 301 489-1, EN 301 489-17 Spectrum EN 300 328 v1.4.1
Hazardous Location	UL 1604 Class 1 Division 2, Groups A, B, C, D Temp Code T4A ATEX II 3 G EEx nC IIC
CSA/cUL	C22.2 No. 213-1987
Mexico	Nom_121_SCT1_2 or 1
Australia	AS/NZS 4771 (pending)

Visit our web site for the latest certification information.

Product Availability

ProSoft Technology offers a full compliment of communication solutions for the Allen-Bradley ControlLogix platform. Visit www.prosoft-technology.com for a complete list of available products.

Documentation

A CD is included with the product that includes User Manuals, Conformance Documents, etc. The CD's contents are all available from the web site as well.

Additional Products

ProSoft Technology, Inc offers a full compliment of accessories for the RadioLinx line of wireless switches. Visit our web site or contact the factory for a complete and up-to-date list of available RadioLinx products.

RadioLinx Industrial Hotspot

Ordering Information

To order this product, please use the following:

RadioLinx Industrial Hotspot

Country	Catalog #	Channels	RF Power	Power Supply
Australia	RLX-IH-AU	1-11	4 W	EU
China	RLX-IH-CN	1-11	4 W	EU
Europe	RLX-IH-EU	11	100 mW EIRP	EU
France	RLX-IH-FR	10-13	100 mW EIRP	EU
Israel	RLX-IH-IL	5 - 8	100 mW EIRP	EU
Japan	RLX-IH-JP	1-14	50 mW EIRP	US
Mexico	RLX-IH-MX	1-11 indoor 9-11 outdoor	650 mW EIRP	US
Saudi Arabia	RLX-IH-SA	1-11 indoor	100 mW EIRP	US
Singapore	RLX-IH-SG	1-11	100 mW EIRP	EU
United Kingdom	RLX-IH-UK	1-13	100 mW EIRP	US
USA	RLX-IH-US	1-11	4 W	US

Power Supplies **US** – 120VAC to 12VDC 60 Hz
 EU – 250VAC to 12VDC 50 Hz

Distributors

For pricing and availability
+1-661-716-5100 (phone)
info@prosoft-technology.com

To place an order
+1-661-716-5101 (fax)
orders@prosoft-technology.com

To place an order, contact your local ProSoft Technology product distributor. To locate the authorized ProSoft Technology product distributor nearest you, visit our web site.



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