II 3 G Ex nA T5 TUVNA 07ATEX7147

LISTED 62XN Class I Division 2 Groups A, B, C & D RADIO DEVICE FOR HAZARDOUS LOCATIONS 0336 Ambient: -30°C ≤ Ta ≤ +60°C Temp. Code: T5

6 to 28 Volts DC 6 Watts

RadioLinx Industrial Hotspot

RLX-IHW

Use the RLX-IHW in applications where secure, high-speed, untethered Ethernet connectivity is required.

- *Connect to moving or remote industrial devices while providing wireless coverage for mobile workers' PDAs and laptops*
- *Combine voice, video and data on a single, high speed industrial wireless network*
- *Use for applications generating many packets per second or with high aggregate data requirements such as I/O messaging and client/server based HMI*

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-IHW

The RadioLinx Industrial Hotspot (RLX-IHW) provides high speed industrial wireless Ethernet communications between Ethernet devices such as PLCs, I/O, and operator interfaces while serving as a repeater/bridge for other hotspots, and an access point for wireless clients such as laptops and PDAs.

Features and Benefits

Conforms to IEEE 802.11a/b/g

- Open standard protects wireless network investment
- High speed (54 Mbps), low latency communications
- Radio-based IGMP snooping/querying to filter multicast industrial Ethernet maximizing bandwidth

Rugged and Powerful

- Metal enclosure, industrial operating temperatures, vibration and shock resistant
- Certification approved for use in hazardous locations and explosive atmosphere (UL1604 Class 1 Div 2, ATEX Zone 2 Category 3)
- Transmit power and radio frequencies programmable for use globally

Data and Network Security

- Cryptographic strength security with WPA/802.11i-128/192/256 bit AES encryption and CCM integrity check
- Limit access to approved device MAC IDs
- Monitors RF environment for approved/rogue radios

Flexible and Reliable

- Single radio operates as an access point and repeater/bridge and client
- Automatic network configuration (can be prioritized or fixed) with self-healing network and master redundancy for reliable large networks (e.g., SCADA)

Easy to Configure and Monitor

- Built-in web server for browser-based configuration and remote diagnostics
- Included OPC Server for HMI-based RF network diagnostics

Backed by ProSoft Technology

- Industrial data communications experts who understand your protocols, devices, and applications
- Indoor/outdoor radio network design assistance - accessory selection, path studies, and site survey
- Three year standard warranty

Specifications

Radio	
Frequency Band (Varies by country)	**802.11b/g:** 2.412 to 2.462 GHz (FCC) 2.412 to 2.472 GHz (ETSI) **802.11a:** 5.150 to 5.250 GHz (FCC/ETSI) 5.725 to 5.850 GHz (FCC)
Wireless Standards	802.11a, 802.11b, 802.11g, 802.11i
Transmit Power (Programmable) (varies by country)	Up to 50 mW without amplifier Up to 500 mW with optional amplifier
Channel data rates (Modulation)	802.11b: 11, 5.5, 2, 1 Mbps (DSSS - BPSK, QPSK, CCK) 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps (OFDM) 802.11a: 54, 48, 36, 24, 18, 12, 9, 6 Mbps (OFDM)
Receiver Sensitivity (Typical)	-95 dBm @ 1 Mbps -90 dBm @ 11 Mbps -82 dBm @ 24 Mbps -75 dBm @ 54 Mbps
Channels Selection	1 to 13 (802.11b/g) 36, 40, 44, 48, 149, 153, 157, 161, 165 (802.11a)
Security	WPA/802.11i with 128/192/256 bit AES-CCM Legacy WPA TKIP, WEP support MAC ID filter Admin password
Physical	
Enclosure	Extruded aluminum with DIN and panel mount
Size	101.6 × 63.5 × 56 mm (W × H × D) 4.0 × 3.5 × 2.2 inches
Ethernet Ports	One 10/100 Base-T connector, shielded RJ45 IEEE 802.3, 802.3u, 802.3x
Antenna Ports	(2) RP-SMA connectors
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

Regulatory Approvals

Wireless Approvals

Visit our website www.prosoft-technology.com for current wireless approval information.

Hazardous Locations

UL	UL 1604 Class 1 Division 2, Groups A, B, C, D
CSA/cUL	C22.2 No. 213
ATEX	Zone 2 Category 3

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 Single Industrial Hotspot

RLX-IHW-A	RadioLinx Single Industrial Hotspot (Americas - FCC)
RLX-IHW-E	RadioLinx Single Industrial Hotspot (EMEA - ETSI)

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

Distributors:
Place your order by email or fax to:

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