

# DATASHEET

RadioLinx<sup>®</sup> 802.11n Weatherproof Industrial Hotspot RLXIB-IHN-W: M12 Ethernet RLXIB-IHN-WC: Conduit RJ-45 Ethernet for UL C1D2

The RadioLinx 802.11n Industrial Hotspot series provides wireless solutions for plant-floor and field automation applications. The Industrial Hotspot family offers rugged performance and ease of deployment for industrial applications. These 802.11n Hotspots use multiple-input/multiple-output (MIMO) technology, supporting up to three antennas. This allows fast data rates up to 300 Mbps, providing advanced performance in industrial environments. The Weatherproof RLXIB-IHN-W has an IP67 rating, making it water-tight and dust-tight for use in all-weather and mining applications.



More than just a new 802.11 technology, the RLXIB-IHN family adds RADIUS security for centralized management of security policies, VLANs for network traffic segmentation and data prioritization, while continuing to include the industrial wireless features that have made previous Industrial Hotspots successful.

Features	Benefits
300 Mbps RF Rates (MIMO)	<ul> <li>Multicast, I/O &amp; Produce/Consume messaging at packet rates &lt; 1 ms</li> <li>Video Monitoring and Automation Control Simultaneously</li> </ul>
VLAN	<ul> <li>Separate Automation Networks &amp; LAN Access</li> <li>Allow Mobile Workers access to Network Resources</li> </ul>
Quality of Service	<ul> <li>Prioritize Control Data, Video &amp; Voice</li> <li>Support for Voice over IP (VoIP) phones</li> </ul>
RADIUS Security	Centralized Management of Wireless Security Policies
Ease of Deployment	<ul> <li>Single webpage setup by field personnel</li> <li>Simple system design with ProSoft Wireless Designer</li> </ul>
Personality Module	<ul> <li>Easy field replacement without use of programming software</li> <li>Stores configuration settings on industrial memory module</li> </ul>
Reliable I/O Message Delivery	<ul> <li>Multicast I/O messages between PLCs transferred using wireless acknowledgements</li> <li>IGMP Snooping &amp; Multicast Filtering enhance reliability</li> </ul>
Industrial Grade	<ul> <li>Usable in Class I, Division 2 hazardous locations</li> <li>Designed for high vibration environments</li> </ul>
-40 ℃ to +75 ℃ Operation	<ul> <li>Operation in all outdoor conditions</li> <li>Rugged construction withstands all operating environments</li> </ul>
IP67 Rating	<ul> <li>Watertight for use in all weather conditions</li> <li>Dust-tight for use in mining applications</li> </ul>

## Configuration

RadioLinx WirelessN Discovery Tool is a configuration and monitoring tool for the RadioLinx<sup>®</sup> 802.11n Weatherproof Industrial Hotspot radios. Use RadioLinx WirelessN Discovery Tool to view your network topology, assign IP addresses to radios for configuration, monitor network diagnostics, update radio firmware, and detect the presence of other vendors' 802.11 radios on the network.



### **Radio Specifications**



# Additional Products

ProSoft Technology<sup>®</sup> 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<sup>®</sup> 802.11n Weatherproof Industrial Hotspot

**RLXIB-IHN-W-A** Americas FCC

RLXIB-IHN-W-E EMEA ETSI

RLXIB-IHN-WC-A North America Hazardous Locations

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.

# Agency Approvals & Certifications

#### Wireless Approvals

Visit our web site at www.prosoft-technology.com for current wireless approval information.

#### **Hazardous Locations**

ETSI

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ANSI/ISA	12.12.01 groups A, B, C, D
CSA	C22.2 No. 213-M1987
ATEX	EN60079-0 and EN60079-15
cULus	ISA 12.12.01 Class I Division 2, Groups A, B, C, D T-6 (RLXIB-IHN-WC-A Only)
Ordinary Locations	
CSA/CB	EN60950 N. America & W. Europe
FCC/IC	Part 15. Class A and ICES-03

ETSI EN300 328 and ETSI EN301 893



# Where Automation Connects<sup>™</sup>

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