



RadioLinX Industrial Hotspot RLX-IHW-66

Use the RLX-IHW-66 in applications where secure, high-speed, untethered Ethernet connectivity is required outdoors or in indoor environments requiring dust-tight or water-tight protection:

- 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:

Asia Pacific

+603.7724.2080, asiapc@prosoft-technology.com
Languages spoken include: Chinese, Japanese, English

Europe – Middle East – Africa

+33 (0) 5.34.36.87.20, support.EMEA@prosoft-technology.com
Languages spoken include: French, English

North America

+1.661.716.5100, support@prosoft-technology.com
Languages spoken include: English, Spanish

Latin America (Sales only)

+1.281.298.9109, latinam@prosoft-technology.com
Languages spoken include: Spanish, English

Brasil

+55-11.5084.5178, eduardo@prosoft-technology.com
Languages spoken include: Portuguese, English

RadioLinX Industrial Hotspot

RLX-IHW-66

The RadioLinX® Industrial Hotspot (RLX-IHW-66) 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

- IP-66 rated metal enclosure, industrial operating temperatures, vibration and shock resistant
- Certification pending for use in hazardous locations (UL1604 Class 1 Div 2, ATEX Zone 2)
- Transmit power and radio frequencies programmable for use globally

Data and Network Security

- Cryptographic strength security with WPA2/802.11i-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

- Power over Ethernet (PoE) enables radio placement near antenna to reduce antenna cable costs and improve wireless network performance
- 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

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)	Up to 50 mW
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	WPA2/802.11i with 128/192/256 bit AES-CCM Legacy WPA TKIP, WEP support MAC ID filter Admin password

Physical

Enclosure	IP-66 rated die-cast aluminum with pole mount hardware 6 = Dust tight - No ingress of Dust 6 = Protected against water jets against the enclosure from any direction shall have no harmful effects.
Overall Dimensions	213 × 178 × 56 mm (W × H × D) 8.4 × 7.0 × 2.2 inches
Ethernet Ports	Water/Dust Tight M12 connector IEEE 802.3, 802.3u, 802.3x, 802.3af
Antenna Ports	(2) N-type female connectors
Weight	2.4 lb (1kg)

Environmental

Operating Temperature	-30° C to +60° C
Humidity	To 90% RH, non-condensing
External Power	802.3af PoE
Average Power	<6W

Regulatory Approvals

Wireless Approvals

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

Hazardous Locations

CSA/cCSAus	ISA 12.12.01 Class 1, Div. 2 C22.2 No. 213-1987
ATEX	Category 3, Zone 2

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-66-A	RadioLinx Single Industrial Hotspot (Americas - FCC)
RLX-IHW-66-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:

North American / Latin American / Asia Pacific

orders@prosoft-technology.com,
fax to +1 661.716.5101

Europe

europe@prosoft-technology.com,
fax to +33 (0) 5.61.78.40.52