



## Industrial Wireless PC Card with External Antenna

### RLX-PC-EB

Wireless radio cards for use in a laptop computer.

### 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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+603.7724.2080, [asiapc@prosoft-technology.com](mailto:asiapc@prosoft-technology.com).  
Languages spoken include: Chinese, Japanese, English

#### Europe

+33 (0) 5.34.36.87.20, [europe@prosoft-technology.com](mailto:europe@prosoft-technology.com)  
Languages spoken include: French, English

#### North America

+1.661.716.5100, [support@prosoft-technology.com](mailto:support@prosoft-technology.com)  
Languages spoken include: English, Spanish

#### Latin America (Sales only)

+1.281.298.9109, [latinam@prosoft-technology.com](mailto:latinam@prosoft-technology.com)  
Languages spoken include: Spanish, English

#### Brasil

+55-11.5084.5178, [eduardo@prosoft-technology.com](mailto:eduardo@prosoft-technology.com)  
Languages spoken include: Portuguese, English

## Industrial Wireless PC Card with External Antenna

### RLX-PC-EB

The Radiolinx Industrial Wireless PC Card with External Antenna 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-PC-EB is a high-power client radio for the "industrial hotspot" RLX-IH and other wireless access devices.

### Features and Benefits

- Up to 23 dBm transmit output power providing up to eight times more power than commercial grade PC cards.
- IEEE 802.11b compliant
- Automatic data rate scaling at 11, 5.5, 2, and 1 Mbps
- Improved 64/128-bit WEP Engine
- Wide coverage range up to 1200 meters in open space
- Advanced Power Management and extended battery life
- Plug and Play installation
- Improved indoor multi-path distortion provides higher link quality in indoor environments

### Specifications

#### General

Radio Data Rate	11, 5.5, 2, and 1 Mbps, Auto Fall-Back
Range (open environment)	11 Mbps - 300m/450m 5.5 Mbps - 400m/600m 2 Mbps - 500m/750m 1 Mbps - 800m/1200m
Operating Voltage	3.3V/5V
Compatibility	Fully interoperable with IEEE802.11b compliant products
LED Indicator	RF Link Activity
Network Architecture	Support ad-hoc, peer-to-peer networks, and infrastructure communications to wired Ethernet networks via Access Point
Drivers	Windows 98/ME/2000/NT 4.0/CE/XP
Access Protocol	CSMA/CA
Roaming	IEEE802.11b compliant
Security	64/128-bit WEP data encryption
Frequency Band	2.4 to 2.484 GHz

## General

Radio Type	Direct Sequence Spread Spectrum (DSSS)
Modulation	CCK (11, 5.5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)
Operation Channels	11 for North America, 14 for Japan, 13 for Europe, 2 for Spain, and 4 for France
RF Output Power	23 dBm (200mW) - FCC 20dBm (100mW) - CE
Antenna	Two antenna connectors (MMCX)
Sensitivity @ FER=0.08	89dBm @ 11Mbps 91dBm @ 5.5Mbps 93dBm @ 2Mbps 95dBm @ 1Mbps

## Physical

Form Factor	PCMCIA Type II PC Card
Size	118 (L) mm x 54 (W) mm x 7.5 (H) mm
Weight	40 g

## Environmental

Temperature Range	-10° C to 60° C Operating -40° C to 70° C Storage
Humidity	5% to 95% typical

## Regulatory Approvals

### Type Approvals

FCC	FCC Part 15/UL
ETSI	ETSI 300/328/CE

## Ordering Information

<b>RLX-PC-EB</b>	802.11b PC Radio Card with external antenna plug
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## 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

To order this product, please use the following:

**RLX-PC-EB** Industrial Wireless PC Card with External Antenna

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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