

ZebraNet® Wireless Card Socket

Wireless Network Connectivity Solution

Effortless printer networking with the ZebraNet Wireless Card Socket—the internal, wireless solution that meets the changing needs of today's businesses.

Easy to use and configure, the internally integrated ZebraNet Wireless Card Socket option provides greater application flexibility while eliminating the need for bulky external wireless bridges and power supplies. Designed for 802.11 and 802.11b or Symbol Spectrum 24™ wireless Ethernet networks, it supports multiple third-party wireless cards as well as a wide range of networking protocols.

Say Goodbye to Cabling Crises

Don't let cabling problems tie you down! The ZebraNet Wireless Card Socket eliminates messy cables and removes the hassles of recabling when you need to move and reconfigure your *XIIIPlus™*, *105 SL*, or *R-140™* printer—without incurring high recabling costs. It also gives you the freedom to take printer networking right to the locations required!



ZebraNet Wireless Card Socket



105 SL Printer



R-140 RFID Printer/Encoder



XIIIPlus Printers

With an *XIIIPlus*, *105 SL*, or *R-140* printer, you can save time and money by connecting to your Ethernet wirelessly!



Connect with it. Count on it.™

Specifications at a Glance*

Performance Characteristics

Printers (*XIIIPlus*, *105 SL*, and *R-140* printers)

Wireless network compatibility

- Data rates supported
- Wireless medium

802.11

- 1 & 2 Mbps
- Frequency Hopping Spread Spectrum (FHSS)

802.11b

- 1, 2, 5.5, & 11 Mbps
- Direct Sequence Spread Spectrum (DSSS)

- Frequency band: 2.4 to 2.4897GHz
- Media access protocol: Carrier sense multiple access with collision avoidance (CSMA/CA)
- Modulation: DBPSK at 1Mbps, DQPSK at 2Mbps, CCK at 5.5 & 11Mbps
- Operating channels: North America 1-11, Europe 1-13, Japan 14
- Non-overlapping channels: North America 3
- Encryption key length: Supports 40 & 128 bit, dependent on supported wireless LAN radio card (PCMCIA format)
- Refer to wireless LAN radio card (PCMCIA format) manufacturer specifications for:
 - Receive sensitivity
 - Delay spread
 - Available transmit power settings
 - Range (typical)

Supported RF Cards:	Type	WSCO Firmware V2.43 WEP Support		WSCO Firmware V3.09 WEP Support	
		40 bit HEX	128 bit HEX	40 bit HEX	128 bit HEX
Lucent (Proxim) Orinoco World PC Silver (848441481)	802.11b	✓	—	✓	—
Lucent (Proxim) Orinoco World PC Gold (848441556)	802.11b	✓	✓	✓	✓
Symbol Spectrum24 Frequency Hop LA3021-501	802.11	✓	X	Use V2.43	Use V2.43
Symbol Spectrum24 High Rate Direct Sequence LA-4111-1000-US	802.11b	✓	X	✓	X
Symbol Spectrum24 High Rate Direct Sequence LA-4111-1010-US	802.11b	✓	X	✓	X
Symbol Spectrum24 High Rate Direct Sequence LA-4111-1020-US	802.11b	✓	X	✓	X
Symbol Spectrum24 High Rate Direct Sequence LA-4111-1000-1C	802.11b	✓	X	✓	X
Cisco Aironet AIR-PCM340	802.11b	—	—	—	—
Cisco Aironet AIR-PCM341	802.11b	X	X	✓	—
Cisco Aironet AIR-PCM342	802.11b	X	X	X	✓
Cisco Aironet AIR-PCM350	802.11b	—	—	—	—
Cisco Aironet AIR-PCM351	802.11b	X	X	✓	—
Cisco Aironet AIR-PCM352	802.11b	X	X	✓	✓

— = The RF card does not support this option. X = The WSCO Firmware does not support this option.
 ✓ = Tested RF Card for WEP Support. WEP support on RF card required. WSCO only supports HEX WEP keys.

Wireless Administration

- ZebraNet Wireless View—initial wireless discovery and configuration utility

Operating Characteristics

Wireless Network Connection

- IEEE 802.11 and IEEE 802.11b RF LAN radio cards (PCMCIA format)
- Supported speeds: 11, 5.5, 2 & 1MB per second

Network/Print Server Connection

- 10Base-T UTP RJ45 connection
- Auto senses IEEE-802.3, Ethernet II, IEEE-802.2, and IEEE 802.2/SNAP frame formats

User Interface

- Power LED: green when power applied
- Status LED: yellow when status information is available
- Radio associated LED: green when radio is associated to another radio
- Radio activity LED: green when radio communication is active
- Ethernet connected LED: green when connected to a valid Ethernet Link (10Base-T port)
- Ethernet activity LED: green when Ethernet communication is active
- Configuration button: resets WSCO to factory defaults if pressed during power up

Electronics

- Power provided by the printer
- Maximum 300mA at 5VDC not including wireless LAN radio card (PCMCIA format)

Size

- Width: 4"/102mm
- Depth: 4.1"/104mm
- Height: .675"/17mm
- Weight: 2.6oz/74g

Environment

- Operating Temp. 32°F/0°C to 104°F/40°C
- Storage/Transport Environ. -40°F/-40°C to 140°F/60°C
- Operating Humidity 20-85% non-condensing
- Storage Humidity 5-85% non-condensing

Agency Approvals (for a printer with card socket option installed)

- CISPR 22 (Class B); IEC 950; UL 1950; Canadian Doc. (Class A); FCC (Class A—*XIII*); FCC (Class B—*XIII* only); EN55024:1998; EN60950:1995; EN61000-3-2, -3-3; CSA 950-95; CE compliance

Warranty

- One year



AN ISO 9001 REGISTERED COMPANY

*Specifications listed are with standard features unless otherwise noted. Specifications subject to change without notice. All product and brand names are trademarks of their respective companies. All rights reserved.



Advanced Printer Control Capabilities

Fully tested and 100 percent compatible with the ZebraNet PrintServer II, the ZebraNet Wireless Card Socket allows wireless operation of ZebraLink™* in mission-critical, 24/7 environments. Available on select Zebra printers**, ZebraLink gives you the "keys" to:

- Alert**—(requires ZebraNet PrintServer II) enables a Zebra printer to send unsolicited status messages via email-enabled devices
- WebView**—(requires ZebraNet PrintServer II) enables the remote monitoring and configuration capability of Zebra printers using Web-based network tools
- ZBI™** (Zebra BASIC Interpreter)—programming language that works with ZPL II to control and interpret incoming text and data.

* ZebraNet PrintServer II is required for ZebraLink (Alert & WebView only); ZebraNet Wireless Card Socket enables wireless operation

** Ask your Zebra Solutions Partner for more details.

For more information

Contact your Zebra representative for additional specifications. To learn more about innovative connectivity solutions call +1 800.423.0442, or visit our Website.

www.zebra.com



Zebra Technologies International, LLC

333 Corporate Woods Parkway
Vernon Hills, IL 60061-3109 U.S.A.

Phone: +1 847.634.6700 or +1 800.423.0442

Fax: +1 847.913.8766

www.zebra.com

Other Locations

United States: California, Florida, Rhode Island, Wisconsin **Europe:** Denmark, France, Germany, Italy, United Kingdom **Asia-Pacific:** Australia, China, Japan, Singapore, South Korea **Latin America:** Argentina, Brazil **Middle East:** United Arab Emirates

©2002 ZIH Corp.
Printed in U.S.A.
All rights reserved.

ZebraNet Wireless Card Socket
#11372L Rev. 1(12/02) 10M