



# ZebraNet® Print Server Family

Wired and Wireless Connectivity Solutions for  
Zebra® Bar Code Printers

## Advanced Connectivity for Advanced Printers

How do you make Zebra bar code printers even better? With ZebraNet Print Servers, delivering enhanced connectivity solutions to meet the needs of evolving network environments.

## Zebra Everywhere and Anywhere

Need location-independent printing minus the hassle and cost of recabling? Use the 802.11b-compliant ZebraNet Wireless Print Server option with LEAP authentication and encryption to enjoy ultimate mobility with reliable network and data security.

For flexible connectivity options get ZebraNet 10/100 Print Server for 10Base-T, 100Base-TX, and fast Ethernet 10/100 auto-switching networks, or the ZebraNet PrintServer II for cost-effective Ethernet connectivity to 10Base-T and Novell IPX/SPX networks.

## High-Speed Printing and Networking

Rely on Zebra to meet your high-speed printing and networking needs. All ZPL®-based Zebra printers enabled with ZebraNet print servers offer optimal integration for today's network environment with easy setup and configuration via Zebra advanced printer management tools.

Zebra now offers you a choice in print server products to make the world's best printers even better:

- Flexible 10/100 Ethernet connectivity for high-performance and industrial-strength printers
- Secure wireless network connectivity for location-independent printer operations anytime, anywhere.
- 10Base-T Ethernet connectivity for value-priced, compact desktop printers
- Effortless installation and centralized connectivity and control via Zebra advanced printer management





# ZebraNet Print Server Family

## Wired and Wireless Connectivity Solutions



### ZebraNet Wireless Print Server

ZebraNet Wireless Print Server enhances the *XIIIPlus™* and *105SL™* printers' wireless connectivity, plus it gives new wireless capabilities to *Z4Mplus™* and *Z6Mplus™* printers.

A lower-cost connectivity option that replaces clumsy wireless bridges and power supplies, the 802.11b-compliant ZebraNet Wireless Print Server removes network tethers, to provide location-independent printer operation.

#### OPERATING CHARACTERISTICS

Wireless network compatibility - 802.11b  
Data Rates Supported - 1, 2, 5.5, and 11 Mbps  
Wireless Medium DSSS (Direct Sequence Spread Spectrum)  
Frequency Band - 2.4 to 2.4897 GHz

#### Radio Cards

See product technical specifications for supported Cisco® and Symbol® radio card models.

#### Security

802.1X-LEAP authentication and encryption ensures network and data security. Open System and Shared Key encryption are supported.

#### Wireless Network Connection

IEEE 802.11b RF LAN radio cards (PCMCIA format), supported speeds: 11 Mb, 5.5 Mb, 2 Mb, and 1 Mb.

#### Network/Print Server Connection

Auto senses IEEE- 802.3, Ethernet II, IEEE- 802.2, and IEEE 802.2/SNAP frame formats

#### User Interface

Link Status Indicator - real-time display of the printers network status.  
Wireless Signal Indicators

#### ADDITIONAL TOOLS SUPPORT

SetWLAN – configuration utility

#### OTHER FEATURES

##### Power

Power provided by the printer

##### Environment

Operates to the environmental specifications of the printer.

##### Agency Approvals

Safety: UL 1950; IEC 950; CSA 950-95; EN 60950: 1995  
CE: CISPR 22 (-B); CE Compliance; EN 55024:1998; EN 61000-3-2, -3-3  
FCC: (Class B – XIII only); FCC (Class A – XIII); Canadian Doc. (Class A)

##### Warranty

One year

### ZebraNet 10/100 Print Server

ZebraNet 10/100 Print Server is available in an internal or external version that provides a complete wired solution for 10Base-T, 100Base-TX, and fast Ethernet 10/100 auto-switching networks. When paired with the industrial-strength Zebra *XIIIPlus™*, *105SL™*, and *Z4Mplus™/Z6Mplus™* printers with enhanced ECP parallel support, it offers greater data transmission speeds for faster throughput.

#### OPERATING CHARACTERISTICS

Auto senses IEEE- 802.3, Ethernet II, IEEE- 802.2, and IEEE 802.2/SNAP frame formats  
Ethernet 10Base-T and 100Base-TX UTP RJ45 connection  
Auto senses full- and half-duplex communications

#### Printer Connection

Bi-directional, IEEE- 1284 Centronics® parallel port (Compatibility, Nibble, and ECP)

#### User Interface

Test button: diagnostic test and configuration printing  
Activity indicators: bi-color display of operational status; bi-color display of speed and network activity

#### Electrical

Maximum 750mA at 5.25VDC  
Nominal 475mA at 5VDC  
Power provided by the printer (Centronics pin 18, 5VDC at 475mA)

#### OTHER FEATURES

Physical Characteristics

Width: 2.8" / 71.12 mm  
Length: 3.2" / 81.28 mm  
Height: 1.2" / 30.48 mm  
Weight: 2.7 oz / 77 g

#### Environment

Operating Temperature: 32° F/0° C to 104° F/40° C  
Storage Temperature: -40° F/-40° C to 140° F/60° C  
Operating Humidity: 25 to 85% non-condensing  
Storage Humidity: 5 to 85% non-condensing

#### Agency Approvals

CISPR 22 Class B; Canadian Doc.; FCC Class B; EN55024; AS/NZS3548

#### Warranty

Three year



## Wired and Wireless Connectivity Solutions



# ZebraLink™

### ZebraNet PrintServer II

ZebraNet PrintServer II is ideal for desktop printers on a 10Base-T or Novell® IPX/SPX network and offers easy remote management for ZPL-based printers via Zebra printer management. It is available in an internal version that provides a static footprint or an external configuration, which conveniently connects to the printer's parallel port and obtains power directly from the printer—external power supplies not required!

#### OPERATING CHARACTERISTICS

Auto senses IEEE- 802.3, Ethernet II, IEEE- 802.2, and IEEE 802.2/SNAP frame formats

Ethernet 10Base-T UTP RJ45 connection

#### Printer Connection

Bi-directional, IEEE- 1284 Centronics parallel port (Compatibility, Nibble, and ECP)

#### User Interface

Test button: diagnostic test and configuration printing

Activity indicators: bi-color display of operational status

#### Electrical

Power provided by the printer (Centronics pin 18, 5VDC at 200mA)

#### ADDITIONAL SYSTEM SUPPORT

##### Novell NetWare®: Netware 3 and 4 (NDS and Bindery)

Simultaneous support for NetWare NDS and NDPS; Novell Generic Gateway and HP Printer Gateway; Dedicated Print Server and remote Print Server modes. Up to eight file servers and 32 queues; Print Protocols and Methods: IPX: NDS, SPX, Pserver, SPX Direct Print

#### OTHER FEATURES

Physical Characteristics

Width: 2.5" / 63.5 mm

Length: 3.6" / 91.4 mm

Height: .8" / 20.3 mm

Weight: 2.5 oz / 71 g

#### Environment

Operating Temperature: 32° F/0° C to 104° F/40° C

Storage Temperature: -40° F/-40° C to 140° F/60° C

Operating Humidity: 25 to 85% non-condensing

Storage Humidity: 5 to 85% non-condensing

#### Agency Approvals

CISPR 22 Class B; Canadian Doc.; FCC Class B; EN55024; AS/NZS3548

#### Warranty

Three year

### ZebraLink Solutions

With ZebraLink Solutions, you can take advantage of the latest innovations today and tomorrow. Zebra is continually adding new features and options to give you more ways to connect, more ways to control your printers, and more ways to manage your enterprise.

#### Software

ZebraDesigner™ Pro

ZebraNet™ Bridge Enterprise

ZebraNet Utilities v 7.0

Zebra Universal Driver

#### Networking

ZebraNet Wireless Print Server

ZebraNet 10/100 Print Server

ZebraNet PrintServer II

#### Firmware

ZPL® and ZPL II®—Universal language for Zebra printers. Simplifies label formatting and enables format compatibility with other Zebra printers.

Web View—Enables you to connect and control your bar code printer's Web interface using a common Web browser.

Alert—Printers equipped with ZebraNet print servers will notify you via any email-enabled, wired, or wireless device to minimize downtime.

#### For More Information

Contact your Zebra representative for additional specifications. To learn more about innovative Zebra products, call +1 800 423 0442, or visit our Web site [www.zebra.com](http://www.zebra.com).

# Print Server Family

## Specifications at a Glance\*



### STANDARD FEATURES

Logical Printer Support  
SMTP  
POP3  
Zebra MIB Support

### SYSTEM

#### Microsoft® Windows 95/98/Me/NT/2000/XP

Client mode for peer-to-peer printing via TCP/IP  
Print Protocols and Methods (all simultaneously active): TCP/IP: LPR/LPD, Telnet, FTP, IPP v1.0, Raw printer port (port 9100)

#### UNIX®, Linux®, Novell, and Other Systems Supporting TCP/IP

Print Protocols and Methods (all simultaneously active): TCP/IP: LPR/LPD, Telnet, FTP, IPP v1.0, Raw printer port (port 9100)

### ADMINISTRATION PROTOCOLS

TCP/IP: ARP, RARP  
TCP/IP and UDP: DHCP, BOOTP, SNMP v1.0  
HTML v3.2  
HTTP v1.0



### Compatibility Matrix

Current Printer Models**	ZebraNet Wireless Print Server	ZebraNet 10/100 Print Server	ZebraNet PrintServer II
XIIIPlus Series	1, 2, 4	1, 2, 3, 4	1, 2, 3, 4
PAX4™ Series	1, 2, 4	1, 2, 3, 4	
Z4Mplus/Z6Mplus	1, 2, 4	1, 2, 3, 4	1, 2, 3, 4
105SL	1, 2, 4	1, 2, 3, 4	1, 2, 3, 4
S600™		3, 4	3, 4
R110Xi™	1, 2, 4	1, 2, 3, 4	1, 2, 3, 4
R170Xi™	1, 2, 4	1, 2, 3, 4	1, 2, 3, 4
R-140™			1, 2, 3, 4
R110PAX4™			1, 2, 3, 4
R4Mplus™			1, 2, 3, 4
R2844-Z™			2, 3, 4
R402™			2, 3
2746e™			2, 3
TLP 2844™ and LP 2844™			2, 3
TLP 2844-Z™ and LP 2844-Z™			2, 3, 4
TLP 2824™ and LP 2824™			2, 3
TLP 3842™			2, 3
TLP 3844-Z™			2, 3, 4

1 - Internal, field kit / 2 - Internal, factory option / 3 - External, field kit / 4 - ZebraLink compatible

\* Specifications subject to change without notice.

\*\* Only currently selling products. Go to [www.zebra.com](http://www.zebra.com) or ask your Zebra reseller for more details.

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**OTHER LOCATIONS** **USA:** California, Rhode Island, Wisconsin **EUROPE:** France, Germany, Italy, Netherlands, Poland, Spain, Sweden, United Kingdom **ASIA-PACIFIC:** Australia, China, Japan, Singapore, South Korea  
**LATIN AMERICA:** Florida (USA), Mexico **AFRICA/MIDDLE EAST:** South Africa, United Arab Emirates



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