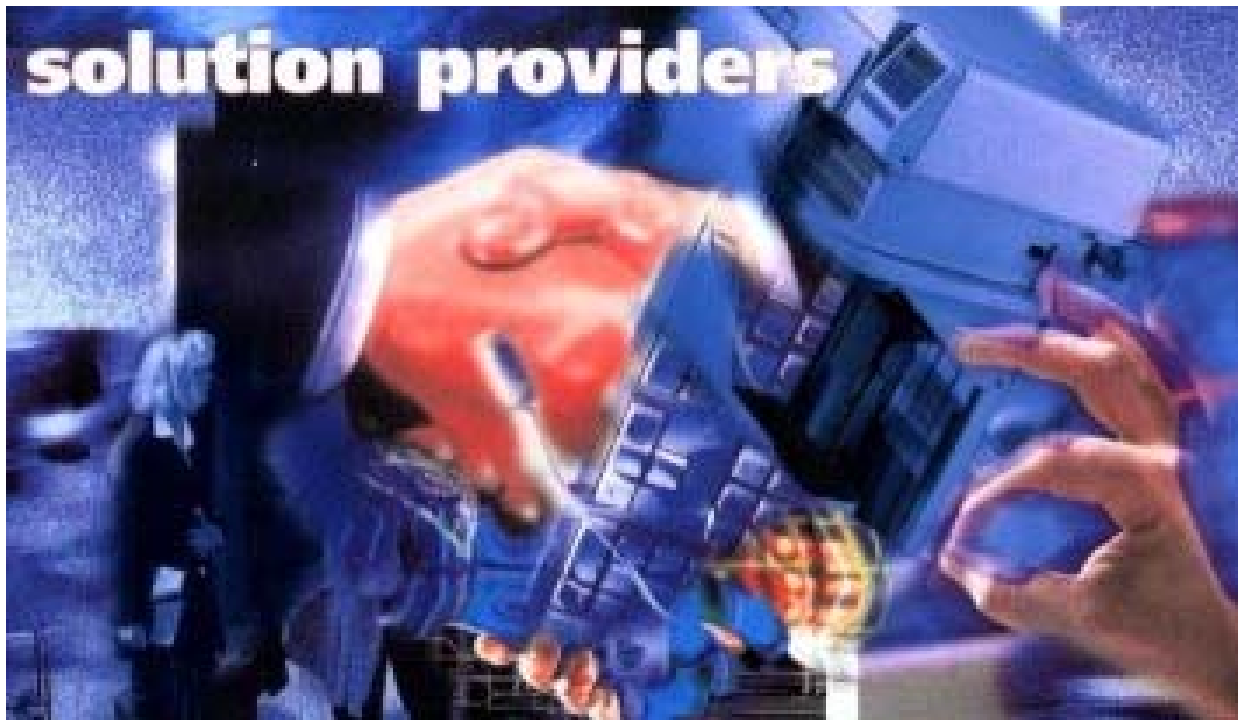


SOLUTION PROVIDERS





Printing Solutions
for Business Improvement



Newbury Data's SecurPrint System

Questions:

1. What is the most important and most common application for a "bar code label printer"?
2. What is the most important error condition that a thermal printer can not tell you?
3. What is the most important and only error condition not to be reported by ZebraLink?
4. What could or does stop expensive automated processes or production lines?
5. Why might you receive a compliance fine for repeated errors or rejections?

Answer: (No Read) Bar Codes

Identify "No Read" Barcodes and "Reprint" Them!

Newbury Data's **SecurPrint** System is a cost efficient system designed to ensure that "No Read" bar codes are identified and eliminated before being applied or accepted in to a client's application, applications that could cause:

- Production lines to stop
- Incorrect identification and picking of parts and/or components
- Fines within compliance solutions
- Lost or Mis-routed parcels
- Additional and/or expensive reworking via manual data entry.



If the need to identify and reprint "No Read" bar codes at time of original print is required then **SecurPrint** is the answer.

If printing "unreadable bar codes" is acceptable to you, why spend a fortune installing an automated data capture solution in the first place?

Do not think that just because you have bought a thermal printer made by Zebra Technologies, the World's leading thermal printer manufacturer that you are guaranteed a perfect bar code every time. **Unless you are using:**



1. the correct media, i.e. the correct labels (Direct Thermal) or the correct label/ribbon combination (Thermal Transfer)
2. with the correct media to printer & print head settings in the required operating environment
3. you know how many labels the print head can and has printed (**print heads are consumables and have a limited life! print head life is significantly reduced when using UN-coated direct thermal media!**
How long will your print head last for and how will you know when to replace it?)
4. the print head is cleaned with the correct cleaning solution and in accordance with the manufacturers recommendations
5. you can be assured that no one has changed or ignored items 1-4 without informing the person responsible for maintaining/monitoring the printer!

If not, then you are not guaranteed a perfect bar code every time from any thermal printer in the world!

- The key to the **SecurPrint** System is the connectivity and communication between the scanner and the printer. The ZBI program created by Newbury Data interprets the commands the scanner generates, pausing the printer when the scanner identifies a "No Read" bar code. The **SecurPrint** system contains a Datalogics Scanner with interface cable, a printer stand suitable for all printers and the ZBI program.
- The printer then issues an "Urgent - Stop" label alerting the operator to the problem informing them to remove/discard the previous label and the error alert label (additional information can be added to the "Urgent - Stop" label, subject to the clients request and the label size). The operator identifies the reason for the "No Read" and makes the necessary corrections or changes to the printer, then by simply pressing the "pause" button the printer "reprints" the error label and normal printing continues without loss of data. Newbury Data can program the printer to reprint a set number of labels at the customer's request, before the printer is disabled to allow it to be replaced or repaired.
- Newbury Data's technical expertise in developing thermal printing applications has helped many of the leading automotive and freight & logistics companies create "best of breed" solutions. **SecurPrint** is another "best of breed" solution and is designed for **Zebra LP/TLP 2844-Z, S600, Z4MPlus, Z6MPlus, 105SL, & XillPlus printers**, or any discontinued Zebra printer with **ZPL emulation and X.10** firmware including **ZBI Rev 1.2** and above. Previous versions or discontinued printers such as the **DA402, T402, S400, Z4M, Z6M** may require a firmware upgrade, all other Zebra models would need to be replaced, Newbury Data would offer a trade-in program for these and all other manufacturers.

Typical "No Read" Bar Codes for Thermal Printers that the SecurPrint System will identify:

Low Decodability

- If avg. bar deviation is too + or -, then the heat setting may not be correct.
- Print head may be dirty, causing ribbon "smudge"
- Bad bar code layout (usually created by graphics command rather than the printer language bar code command)

Low Print Contrast

- Dark or specular (shiny) media

No read Condition

- Ribbon wrinkle
- Failed print head element(s) large enough to cause enough damage to make the bar code un-decodable

Reason/Probable Cause:

Incorrect Set Up
Lack of, Irregular or Incorrect Cleaning of Print Head
Unsuitable Software Application

Incorrect Media

Incorrect Set Up or Label/Ribbon Combination
Lack of, Irregular or Incorrect Cleaning of Print Head
or Print Head at end of life

About Datalogic



Datalogic is the largest European manufacturer of CCD- and laser-based bar code readers and portable data collection terminals. The vast range of Datalogic products includes both manual readers and fixed industrial scanners that can satisfy any application need. With their advanced technology, intelligent design, and solid reliability, Datalogic's products have been setting the industry standard for 30 years.



The 1000 series represent a complete range of products for OEM applications requiring extremely compact dimensions and outstanding performance. The 1000 series represents Datalogic's entry level offer of unattended scanning systems for the OEM market. The TC1100 & DS1100 ultra compact, lightweight industrial scanners feature unbeatable price/performance.

Outstanding decoding performance by the 1000 series is achieved through a dual processor RISC decoder, based on a Datalogic custom chip, able to store (in real time) all the scans on the code to be read. The reading field ranges from contact (zero) to 60 cm (24 in), while scanning speed ranges from 100 to 2000 scans/sec depending on the model used. This series offers a wide range of models (eg. raster/high resolution versions) and decoded or un-decoded scanners. It also allows "plug & play" parameters to be set up by means of an easy Windows based program.

Zebra Technologies Corporate Overview



Zebra Technologies delivers innovative and reliable on-demand printing solutions to businesses and governments the world over. Zebra is one of the leading global providers of thermal bar code label and receipt printers, card printers, RFID smart label printer/encoders, supplies, label design/integration software, and the widest range of thermal printer connectivity and networking solutions.

Zebra's customers include more than 90 percent of the Fortune 500 and Global 2000. Zebra products are used in a variety of industries, including consumer goods, manufacturing, automotive, health care, electronics, transportation, telecommunications, chemical, textiles, shipping, warehousing and distribution, military and government, food packaging and distribution, aerospace, education, security, construction, entertainment, hospitality, and retail.



ZBI™: Zebra BASIC Interpreter (ZBI) is a new programming language package available for Zebra printers with ZebraLink. ZBI expands the features and power of Zebra's ZPL II® printer language to control and manipulate incoming text to the printer, including non-ZPL data streams. So when you're ready to upgrade to the performance and reliability of Zebra bar code printers, programming commands in ZBI to interpret and adapt your legacy bar code formats will result in matching labels on your new Zebra printers.

Simple ZBI programming can integrate and control other peripheral devices—including bar code readers, weight scales and keyboards—to create the perfect stand-alone application. Or use ZBI to capture data from a peripheral device and send it to a host ERP (Enterprise Resource Planning) system for further processing and storage.

Newbury Data's status within Zebra and the UK thermal printer market place has increased significantly over the last 8 years to become one of the UK's leading Zebra Business Partners, (as well as leading the way with Citizen & Printronix printers) supplying thermal printer solutions to most industries utilising the benefits and the capabilities built into the Zebra printers. Zebra's sophisticated printer capabilities together with expertise in creating highly effective low cost solutions that deliver unmatched performance have made Newbury Data one of the most valuable and sought after thermal printer solution providers in the UK.

Zebra Desktop Printers

High-quality desktop printers deliver unmatched reliability and versatility: Zebra's Desktop printer family offers a comprehensive choice of direct thermal (LP) and thermal transfer (TLP) models for two- and four-inch wide printing—each with distinctive characteristics to ensure your specific application is fully satisfied.



Small Size with No Compromise in Performance: Media loading is simplified thanks to the OpenACCESS™ design, which tucks the printhead into the printer's, top cover, and a clear media window for easy monitoring. Just drop the media in, shut the cover, and start printing! Maximise workplace efficiency with a five-inch media roll capacity (for fewer label roll changes) and a space-saving, compact design. Their durable, dual-wall construction ensures Desktop series printers will withstand rough handling in your busy work environment.

Flexible Connectivity: For optimal integration in today's networked environments, select from serial, parallel, and USB interfaces, or opt for internal Ethernet connectivity via Zebra's ZebraNet® PrintServer II. Zebra's ZPL II®-based desktop printers offer programming flexibility with ZBI™ and ZebraLink™ advanced printer management.

The Desktop series printers integrate easily into a variety of mid- to low-volume printing applications including:

- Shipping/Receiving
- Warehouse shelf labelling and inventory control
- Healthcare specimen labelling and patient tracking
- Retail product marking, shelf labelling, and coupon and receipt printing
- Transportation/Logistics
- E-commerce postage



The **LP/TLP 2844-Z** printers bring powerful performance and exceptional versatility to the desktop class. Equipped with a 32-bit microprocessor for fast label processing and throughput, these four-inch printers provide unparalleled productivity. They are based on ZPL II® (Zebra Programming Language) for simplified label formatting and seamless integration with full-size Zebra printers.

The **TLP 3844-Z's** 300-dpi printhead enables high-quality, crisp, clear printing for labelling applications that require data such as two-dimensional bar codes, fine text, or complex graphics. Scanning and reading data on very small labels, for example laboratory vial labels or jewellery tags, is greatly enhanced. Quickly and easily network the TLP 3844-Z into an Ethernet environment with the optional internal ZebraNet® PrintServer II.

Commercial & Industrial

S600 - On Demand Bar Code Printer - Weighing less than 17 lbs., this economical, full-size printer is in a class of its own

Count on consistent, reliable performance with the Stripe® S600 printer. Count on ease of use, too, thanks to colour-coded operator cues, auto-calibration, and an innovative ribbon release mechanism for simplified ribbon replacement. Able to accommodate a full-sized eight-inch roll of media within the printer, the S600 boosts productivity by minimising media maintenance, while also reducing label contamination by airborne dust or moisture. Linear and 2-D bar code symbology algorithms reside in memory for faster printing and additional productivity.



Affordable Team Player: Lightweight, yet highly durable, this printer can be easily moved from one workstation to the next, anywhere it's required. Or purchase more than one extremely affordable printer for distributed printing throughout your company.

Real-Time Connectivity and Control: Centrally manages distributed S600 printers using ZebraLink™ with Alert and WebView (with ZebraNet® PrintServer II option). Zebra-Link also includes ZBI™ (Zebra BASIC Interpreter) for stand-alone operation of a printer and peripheral devices without a PC host.

Z Series - On Demand Metal Bar Code Printers - Z4Mplus™ and Z6Mplus™—Sleek with Speed

Processing labels fast is a breeze with the Z4Mplus and Z6Mplus industrial and commercial bar code printers. At 10 inches (254 mm) per second, these Zebra printers output labels quickly and efficiently, maximising production and minimising wait time for demanding jobs like variable-information applications. The Z4Mplus and Z6Mplus die-cast metal construction means reliability and top performance for industrial environments and distribution centres.



- **Competitive Performers, Competitive Price:** Z Series printers stand up to the competition, in terms of both performance and price. Rely on these top-of-the-line performers to get the job done, cost-effectively. Up to twice as fast as CompactFlash, Zebra's powered up Flash memory option drives productivity farther than ever before! The Z Series offers many standard features per dollar, including ZebraLink™ with Alert and WebView for centralised printer management. With an internal Ethernet option, super-fast external memory options, industry leading throughput, and complex multi-language font support, the Z4Mplus and Z6Mplus are unbeatable commercial printers.

105SL - On Demand All Metal Bar Code Printers - Serious about bar coding? Here's the choice of experience

The 105SL is the newest member of Zebra's S Series™, and it's also the fastest, combining enhanced memory and processing capacity with rugged and reliable all-metal construction. Based on a proven platform, the 105SL is the choice of experienced users.



Cutting-Edge Network Connectivity: The 105SL offers superior connectivity solutions including wired and wireless Ethernet options. For 802.11b wireless Ethernet connectivity that frees you to move or reconfigure the printer without costly recabling, look to the ZebraNet® Wireless Card Socket option. With ZebraLink™, gain the efficiency of centralised printer management through Alert and WebView (with ZebraNet® PrintServer II). ZBI™ (Zebra BASIC Interpreter™) enables stand-alone operation of a 105SL and peripheral devices, such as scales and scanner wands, without the need for a PC host. ZBI can then transmit data captured from these devices over your network via e-mail or TCP/IP messaging.

<p>The S600 is perfect for moderate printing needs in commercial or light-industrial applications, including:</p>	<p>On top of the hard-working durability and easy use of these die-cast metal frame printers, the newly speed-optimised Z4Mplus and Z6Mplus are perfect for</p>	<p>The 105SL is ideal for moderate- to high-volume printing applications (including distributed, batch, or single format) in:</p>
<ul style="list-style-type: none"> • Professional/Business offices • Incoming product labelling • Hospitals and healthcare; medical laboratories • Receipts and ticketing • On-demand shipping labels and parts tracking 	<ul style="list-style-type: none"> • Work in process • Order fulfilment • Compliance labelling • Distribution • Shipping/Receiving • Hospitality/Transportation ticketing 	<ul style="list-style-type: none"> • Manufacturing and compliance labelling • Logistics and inventory control • Product identification marking • Work in process

High Performance Industrial

Xi Series – High Performance Bar Code Printers - Meet The XiIIIPlus™ Family!

Higher Levels of Labelling: The newest family of four, XiIIIPlus™ printers are superior performing Xi's! There's a labelling solution to fulfil any need—from 600dpi resolution for small label printing to an 8.5-inch print width for wide labels and forms. Exciting, new features include a 32-bit processor; increased memory for label formats, graphics, fonts and ZBI programs; and an early warning notification for print head maintenance support. XiIIIPlus printers also offer more connectivity choices than their competitors, including ZebraLink, ZebraNet Wireless Card Socket; and USB 2.0, serial and parallel ports. Xi Series (AS/400) network users choose from a wide range of Twinax/Coax and IPDS connectivity options. Add up all the bells and whistles, and it's easy to see why XiIIIPlus printers take high performance to an all-new level!



Everything you count on with Zebra's Xi Series printers, plus more! Zebra's Xi Series is known for its high performance, mission-critical ruggedness. These hardworking printers are the ones to call on—24/7—in heavy duty, industrial operations. XiIIIPlus printers from Zebra offer revolutionary features including:

- New 32-bit processor for faster throughput and processing speeds
- Increased 16MB SDRAM memory (over 12MB user available) for printing longer label formats
- 4MB non-volatile Flash memory (2MB user available)
- Early service warning notification for print head maintenance support
- 300 unique darkness settings—great for printing on synthetic materials
- 203, 300 & 600 dpi print heads available

Cabled Networking & Communications

ZebraNet® Print Server II Network Connectivity Solution

Put Your Desktop Printer Where You Need It: With the internal ZebraNet PrintServer II, you can connect your Zebra LP/TLP2844-Z, Z4MP*Plus*, Z6MP*Plus*, 105SL and all Xi Series printers to the network via the Ethernet without an external hardware device. This exciting new option is easy to use and configure, supports a wide range of networking protocols, and includes ZebraNet Utilities—a free administration software suite.



ZebraNet PrintServer II makes it easier than ever to connect to your network and manage Zebra printers:

Today's world of computer networks is complex, but with ZebraNet PrintServer II and its complementary suite of utilities, installing and maintaining a Zebra printer attached to a PC network via the Ethernet is easy. Just connect your Zebra printer to your network by simply plugging the ZebraNet PrintServer II into the existing parallel port. After set-up, any power required comes directly from the printer—additional external power supplies not required! The external PrintServer II is available for use across Zebra's current line of printers and attaches to the printer's parallel port. The internal version, which is factory- or field-upgradeable, eliminates the need for an external connection and doesn't add to the printer's footprint.

Advanced Printer Control Capabilities: On Zebra printers with ZebraLink™ advanced printer control, the ZebraNet PrintServer II is the key to activating the Alert and WebView capabilities. Alert enables a Zebra printer to send unsolicited, real-time, remote status notification and WebView facilitates Web-based printer management via easy-to-use Internet applications like Microsoft® Internet Explorer™ and Netscape Navigator™. When you want to get connected, choose the only print server to display the ZebraLink compatible logo.

Management Tools: ZebraNet® Utilities is a fully featured printer administration package that unlocks the full power of the ZebraNet® PrintServer II. ZebraNet® Utilities is currently available for Windows 95/98/Me/NT/2000. The View Java Applet is also available for Linux and Unix platforms as well. View features easy-to-use device discovery that allows you to locate printers on your network automatically. View can search on parameters such as IP address, subnet, printer model, printer status and many other user-defined characteristics. Alert enables the configuration of multiple event alerts per device. Multiple users can receive unique alerts via either visual or audio cues. Alert also includes advanced alert reporting functions. Connect enables simple printer selection of an IP addressable printer through Windows. View Java Applet: is a Java-based version of View that allows users of Java-enabled platforms to also take advantage of View's powerful discovery feature.

ZebraLink

ZebraLink™ for Connectivity and Control: ZebraLink is a revolutionary real-time connectivity and control solution for Zebra printers. Every ZebraLink-enabled printer is ready to unlock the full potential of three core features:

Alert: ZebraLink empowers your Zebra printers to "talk back" when a printer runs out of media or a print head is left open. An ZebraLink-enabled printer equipped with a compatible networking accessory will notify you via any email-enabled, wired or wireless device (i.e. pager, Palm®-type device or phone). The printer's intelligent Alert feature minimises downtime by providing real-time feedback to help keep your operations running smoothly.

WebView: For Zebra printers on the edge of your desk, or in a warehouse on the edge of another continent, WebView allows you to create or change printer and network settings using familiar Web-based tools. ZebraLink-enabled printers with compatible networking accessories have integrated Web server and IP (Internet Protocol) addresses. Using common Web browsers such as Netscape Navigator™ or Microsoft® Internet Explorer™, ZebraLink enables you to connect and control your bar code printers via a GUI interface without even touching the printer. It's as simple as surfing the Web!

ZBI™: Zebra BASIC Interpreter (ZBI) is a new programming language package available for Zebra printers with ZebraLink. ZBI expands the features and power of Zebra's ZPL II® printer language to control and manipulate incoming text to the printer, including non-ZPL data streams. So when you're ready to upgrade to the performance and reliability of Zebra bar code printers, programming commands in ZBI to interpret and adapt your legacy bar code formats will result in matching labels on your new Zebra printers. Simple ZBI programming can integrate and control other peripheral devices—including bar code readers, weight scales and keyboards—to create the perfect stand-alone application. Or use ZBI to capture data from a peripheral device and send it to a host ERP (Enterprise Resource Planning) system for further processing and storage.

Benefits of ZBI:

- Rapidly solves difficult and unique printing problems
- Allows Zebra printers to interface to foreign data streams that are not ZPL II compliant
- Leverages the power, features, and speed of ZPLII
- Easy to learn and program
- Provides maximum benefit and use over corporate networks

The Freedom to Move Your Business...Forward: Only ZebraLink gives you the power to control and monitor your bar code printers from anywhere. And since you'll be able to solve problems immediately, you'll reduce downtime and increase productivity. With ZebraLink, enjoy the freedom to:

- **Monitor** your print job from any location, around the office or around the world
- **Change** printer settings from your desk, your car, your client's office...virtually anywhere
- **Replace** an old bar code printer – any brand –with the superior performance and reliability of a Zebra printer...without costly reprogramming or label reformatting
- **Create** stand-alone applications using a scanner, keyboard or weight scale – without a PC
- **Send, receive and print** real-time data with easy connections to your ERP or WMS system

Technology doesn't wait: The work world is changing rapidly. With ZebraLink, you'll take full advantage of the latest innovations today—and tomorrow. We are continually adding new features and options to give you more ways to connect, more ways to control your printers, and more ways to enjoy your freedom. Contact Newbury Data, your Zebra Solutions Specialist for information on: - ZebraNet® PrintServer II, - ZebraNet PC PrintServer & - Wireless PC Card Slots.

Real control...in real time...from really anywhere!

Wireless Networking & Communications for 105SL & Xi Series

ZebraNet® Wireless Card Socket: 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 XiIIIPlus™, 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 Available for:

- R-140 RFID Printer/Encoder
- XiIIIPlus Printers
- 105 SL Printer

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.

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

Printers (XiIIIPlus, 105 SL, and R-140 printers) Wireless network compatibility 802.11 802.11b

- Data rates supported 1 & 2 Mbps 1, 2, 5.5, & 11 Mbps
- Wireless medium Frequency Hopping Spread Direct Sequence Spread Spectrum (FHSS) 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)

Wireless Administration

- ZebraNet Wireless View—initial wireless discovery and configuration utility

Manufacturers supported:

- Lucent (Proxim)
- Symbol Spectrum 24
- Cisco Aironet

Wireless Pocket Print Servers for All Zebra Printers with Parallel Interface

Pocket print servers allow users to connect parallel printers to all types of Ethernet and TokenRing networks. Simply plug the pocket onto the printer's Centronics port and connect it to the network (each pocket print server supports one printer). And after just a few minutes of configuration your network printer is ready for operation. **WLANPOCKET** allows users to connect any printer with parallel port to any WLAN environment, entirely eliminating the need for cables. **WLAN Server supports two operating modes: infrastructure mode (Access Point mode) & adHoc mode (Peer-to-Peer), therefore, also allowing direct communication between WLAN devices (laptops, etc.) and the attached printer.** The print server automatically detects the operating mode used. It allows transmission distances in the open space up to 160 m, in typical office buildings up to 30 m. 64/128 bit WEP encryption for eaves-dropping-secure data transfer.



General Features

- Network connectivity for printers with parallel port, independent of the cabling infrastructure
- Seamless integration into existing Ethernet networks by wireless technology based on 11Mbit standard 802.11b Data rates up to 500 KByte/s
- 1 MByte Flash / 2 MByte DRAM
- Support of all standard operating systems and protocols
- Button for status information and diagnostic purposes
- Comprehensive access protection (Protected IP Printing)
- Automatic printer error notification via Email or SNMP Traps
- Browser-based, system independent management
- Job history for print job monitoring
- Considerably increased data rates under IPX/SPX thanks to Novell NCP Burst Mode
- Internet Printing via IPP
- Software download via FTP, IPX or HTML

Zebra Supplies

Tags/Labels: No single tag or label is right for every application. Whether you need tags for bus tickets or steel mills or tags that withstand high heat, chemicals and solvents, Newbury Data has the right media solution. Newbury Data offers tags and labels in both direct and thermal transfer.

Thermal Transfer Tags/Labels: Thermal transfer technology utilises a ribbon and matching tag or label stock material to transfer an image on to the material. Newbury Data's thermal transfer tags or labels combined with a Newbury Data ribbon provide the best solution for long life requirements or harsh environments.

Direct Thermal Tags/Labels: Direct thermal technology does not require a ribbon but instead uses a chemically coated tag or label material that reacts to temperature. The image is produced as heat is applied to the surface of the coated material. Newbury Data's direct thermal tags and labels may be used for indoor applications where temperatures will not exceed high levels.



Ribbons: Newbury Data has the right thermal transfer ribbon for your application. For standard printing on paper labels, Newbury Data's wax ribbons are unsurpassed for performance and value. When better image durability is required, Newbury Data's wax/resin ribbons will meet your requirements. For the ultimate in chemical and heat resistance, Newbury Data's resin ribbons can handle the harshest environments. You can be assured that when used together, our ribbons and labels will provide optimal performance with your thermal printer and extend the life of your print head.

Wax Ribbon: Newbury Data offers several performance wax ribbons formulated for high-quality printing on both coated and uncoated paper face stocks.

Wax/Resin Ribbon: Wax/resin ribbons are formulated to offer high-quality, durable bar codes, text and graphics on coated paper facestocks and synthetic materials. Newbury Data offers several UL recognised and CSA Component Acceptable ribbons when used in combination with the appropriate media.

Resin Ribbon: Resin ribbons provide exceptional solvent resistance for the harshest environments. Our resin ribbons are well suited for printed applications that require UL recognition and CSA Component Acceptability.

Warranty & Maintenance Contracts

Warranty Summary: All Zebra printers are provided with parts only warranty.

Parts Only: All parts have to be returned to Newbury Data via the RMA system at the customers expense, on receipt and qualification that the item is within warranty the replacement part/s will be shipped to the customer at Newbury Data's expense.

ND Maintenance Contract: UK Mainland Only: The ND maintenance contract provides one, two or three years of onsite hardware support beginning on the purchase date of the contract. The period includes any remaining warranty left on the product and must be purchased with the product, at point of sale.

Guarantee Response/Fix: Response to site within 8 working hours (1 day) of the call being logged and a fix being established, or a loan unit installed, within 24 working hours (3 days) of the call being logged. Coverage: 09.00 – 17.00 hours, Monday to Friday excluding Public Bank Holidays. This is a premium service. Faulty parts will be removed and replaced on site, and if required, suitable loan equipment may be provided to expedite the repair. Call sales for additional levels of service including faster response and fix times, and out of normal working hours cover such 24/7.

Mission Critical / Compliance Printing Applications:

Newbury Data recommends that a back-up printer is required by the client when delivering mission critical or compliance printing applications that may incur a penalty or fine for the user if the printer is not operational, resulting in subsequent print jobs being delayed, postponed or cancelled. Newbury Data accepts no responsibility or liability for any penalties or fines imposed upon the client by 3rd party company as a result of the printer not being operational.

Installation Services

Level 1 (Functional)

The printer will be unpacked and assembled as required including any accessories delivered with the printer. All shipping constraints will be removed. The printer will be powered up and caused to do an internally derived test / configuration printout. This will demonstrate the printer is in a fully functional condition and that the client can now set it up for operation on their system.

Level 2 (Basic System Integration)

Incorporates Level 1 plus operator training for loading stationery, replacement of consumables and Control Panel operation for normal day to day usage.

Also includes working with the Client's IT personnel to have the printer operational for their application(s) on a direct PC / System connection via a Serial (RS232) or Parallel (Centronics) printer interface connection. Note: Client must make available on the day of installation relevant IT personnel capable of installing the printer on the host system.

Level 3 (Network Connectivity)

Incorporates Level 1 plus the Operator training as in Level 2. Now includes working with the Clients IT personnel to have the printer set up for their application(s) over a Network system – e.g. Ethernet, TwinAx, and CoAx.

Also provides printer set-up instruction as required to the Client's relevant IT personnel. Note: Client must make available on the day of installation relevant IT personnel capable of installing the printer on the host system.

Zebra SecurPrint Printer Comparison Table

Model	Printing Technology	Print Width (inches)	Print Resolution (DPI)	Print Speed (Inches per second)
LP2844Z	Direct Thermal	4	203	4
TLP2844-Z	Thermal Transfer	4	203	4
TLP3844-Z	Thermal Transfer	4	300	4
S600	Direct Thermal & Thermal Transfer	4	203	6
Z4Mplus	Direct Thermal & Thermal Transfer	4	203 or 300	10
Z6Mplus	Direct Thermal & Thermal Transfer	6	203 or 300	10
105SL	Direct Thermal & Thermal Transfer	4	203 or 300	6
110Xi IIIPlus	Direct Thermal & Thermal Transfer	4 (203, 300) or 3.1 (600dpi)	203, 300 (4) & 600 (3.1)	10 (203), 8 (300), 4 (600)
140Xi IIIPlus	Direct Thermal & Thermal Transfer	5	203	12
170Xi IIIPlus	Direct Thermal & Thermal Transfer	6.6	300	8
220Xi IIIPlus	Direct Thermal & Thermal Transfer	8.5	203	10



Manufacturer and Distributor Status:

- UK: Manufacturer of Newbury Data Serial Impact Printers
- UK: Manufacturer of Newbury Data Thermal Ticket & Encode Printers
- Europe's No:1 Distributor of Citizen Thermal Printers
- UK: Leading Distributor of CPG (Compuprint / Genicom) Printers
- UK: Leading VAR for HHP Data Capture Terminals and Scanner
- UK: Accredited Reseller for Datalogic Scanners
- UK: Leading Solutions Partner for Kyocera Mita Laser & Multi Function Printers
- UK's No: 1 Distributor of Printronix Industrial Printing Solutions
- UK's No: 1 Distributor RJS Scanners/Verifiers
- UK: Leading Distributor of Televideo Thin Client Terminals
- UK: Gold Business Partner for Zebra Thermal Printers
- UK's 1st: System Integrator of "Genesis" Network Software for Zebra Printers

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