

# 105SL™

Thermal, On-demand, All-metal Bar Code Printer

## 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 with cutting-edge ZebraLink connectivity, the 105SL is the choice of experienced users.

## Real-time Connectivity and Control

The 105SL is ideal for operations that rely on bar code automation and centralized printer management. It's a perfect fit for manufacturing and compliance labeling, product ID marking, logistics and inventory control, and work-in-process applications.



Connect with it. Count on it.™



## 105SL™

### Made to Last

- Tough steel housing with reinforced box section design
- Metal interior components include gear drives, spindles, and adjustment controls
- Extruded metal printhead mechanism

### Network Connectivity

- **NEW** ZebraLink™ real-time connectivity and control
- Multiple connectivity options
- Compatibility with any installed ZPL® legacy application

### Enhanced Features

- Fast 32-bit processing
- Prints up to 8ips
- 3MB DRAM (user-available) to print labels up to 106" long
- 750KB Flash memory (user-available)
- 203 or 300dpi printhead resolution
- Backlit LCD control panel; auto-calibration

### For more information

Contact your Zebra representative for additional printer specifications. For information on Zebra's desktop and mobile printers, supplies, software and accessories, ask your reseller, call +1 800.423.0442, or visit our Web site.

[www.zebra.com](http://www.zebra.com)



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### Other Locations

*United States:* California, Florida, Rhode Island, Wisconsin

*Europe:* France, Germany, Italy, United Kingdom

*Asia-Pacific:* Australia, China, Japan, Singapore, South Korea

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105SL

#11341L Rev. 1 (10/01) 20M

## Standard Features

- Print methods: Thermal transfer or direct thermal
- Construction: Steel frame and cabinet with metal interior components
- Thin film printhead with E<sup>3</sup> Printhead Energy Control
- Fast 32-bit processing
- Selectable print speeds up to 8ips
- ZebraLink connectivity
- Transmissive media sensor
- Standard 2-line, 16-character LCD control panel

## Operating Characteristics

### Environment

- Operating Temp. 41°F/5°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

### Electrical

- Universal power supply with factor correction 90-264 VAC; 48-63Hz

## Media Characteristics

### Labels

- Max. Roll Size
- 8"/203mm O.D. on a 3"/76mm I.D. core
- Thickness (label & liner)
- .003"/.076mm to .0012"/.305mm

### Media Types

- Roll-feed, die-cut, continuous, fanfold, tags, tickets

For optimum print quality and print engine performance, use Genuine Zebra supplies.

## Fonts/Graphics/Symbologies

### Fonts and Character Sets

- Standard Fonts: 9 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)
- Sets: IBM® Code Page 850 International character set or Optional European and Asian font sets

### Graphic Features

- Supports user-defined fonts and graphics—including custom logos
- ZPL II drawing commands—including boxes, circles and diagonal lines

## Options and Accessories

- 300dpi printhead
- PCMCIA memory slot (up to 8MB Flash)
- Full width cutter with orderable catch tray
- Internal rewind spindle
- Peel/liner rewind (for print-and-apply)
- Reflective media sensor

## Zebra Programming Language

- ZPL® & ZPL II®—universal language for Zebra printers. Simplifies label formatting and enables seamless compatibility with other Zebra printers.
- ZBI—Controls and interprets text and data from peripherals and non-ZPL printer programming languages. Transmits captured data over LAN, WAN, or wireless network via e-mail or TCP/IP messaging.

## Communication Interface Capabilities

- Centronics® RS-232 RS-422\*, and RS-485\* serial ports; IEEE 1284 bi-directional parallel

## Agency Approvals

- UL 1950; CISPR 22 (Class B); CSA 950; IEC 950; 801-2, -3 and -4 standards; Canadian Doc. (Class A); FCC (Class A); CE compliance

\*may require optional adapter

## Ribbons

- Max. Roll Size
- 3.2"/81.3mm O.D. on a 1"/25.4mm I.D. core

### Standard Lengths

- 984/300m-1,476/450m capacity; provides 2:1 and 3:1 media roll to ribbon ratios

### Ribbon Setup

- Ribbon wound ink side out

Ribbon is recommended to be at least as wide as media.

## Bar Code Symbologies

- Linear Bar Codes: Code 11, Code 39, Code 93, Code 128 with subsets A/B/C and UCC Case Codes, ISBT-p128, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2 or 5 digit extensions, Plessey, POSTNET, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar
- 2-Dimensional: CODABLOCK, PDF417, Code 49, DataMatrix, MaxiCode, QR Code, Micro PDF417

- Fan-fold bin
- ZebraNet PrintServer II (internal or external)
- Twinax and coax interfaces (internal)
- BAR-ONE® software
- European and Asian font sets



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## Maximum Print Area

Width: 4.09"/104mm

Length with 203dpi:

106"/2,692mm (with standard memory)

Length with 300dpi (optional):

65"/1,651mm (with standard memory)

## Resolutions

203dpi/8dots per mm;

300dpi/12dots per mm (optional)

## Maximum Print Speed

8"/203mm per second (203/300dpi)

## Memory

Standard: 3MB DRAM (user-available)

750KB Flash (user-available);

Optional: 8MB Flash (PCMCIA card)

## Physical Characteristics

Width: 11.2"/283mm

Depth: 19.5"/495mm

Height: 15.5"/394mm

Weight: 55lbs/25kg

## Media Specifications

Label and liner width:

.79"/20mm to 4.52"/115mm

Ribbon width:

.79"/20mm to 4.5"/114mm

The 105SL is ideal for moderate to high volume printing applications (including distributed, batch, or single format) in:

- Manufacturing and compliance labeling
- Logistics and inventory control
- Product identification marking
- Work-in-process

## ZebraLink™

ZebraLink, a revolutionary real-time connectivity and control solution for Zebra printers, includes:

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

ZebraLink gives you the freedom to create stand-alone applications using a 105SL and peripheral devices, such as a scale scanner wand, without needing a PC host. Internet-aware, ZBI can then transmit data captured by these devices over your LAN, WAN, or wireless network via e-mail or TCP/IP messaging.



Test drive it today at  
[www.zebra.com/livelink](http://www.zebra.com/livelink)



FM-32328  
An ISO 9001 registered company

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