

# 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 connectivity, the 105SL is the choice of experienced users.

## Real-time connectivity and control

Featuring the ZebraLink™ printer management solution, the 105SL is a perfect fit for operations that rely on bar code automation and centralised printer management.



Reliability on demand™



# 105SL™

## Made to Last

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

## Network Connectivity

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

## Enhanced Features

- Fast 32 bit processing
- Prints up to 203mm (8") per second
- 6MB DRAM to print labels up to 2,692mm (106") long
- 2MB Flash memory
- 203 or 300dpi print-head resolution
- Backlit LCD control panel; auto-calibration



## Zebra Bar Code Products

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**Asia:** Hong Kong, Japan, Korea, Singapore  
**Middle East:** Dubai

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



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## Standard Features

- Print methods: Thermal transfer or direct thermal
- Construction: 12-gauge steel frame with metal interior components
- Thin film print-head with E<sup>3</sup>® Print-head Energy Control
- Fast 32 bit processing
- Selectable print speeds up to 203mm (8") per second
- ZebraLink connectivity
- Transmissive media sensor
- Standard 2-line, 16-character LCD control panel

## 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.

## Operating Characteristics

### Environment

- Operating Temperature 5°C (41°F) to 40°C (104°F)
- Storage/Transport Environment -40°C (-40°F) to 60°C (140°F)
- Operating Humidity 20 to 85% non-condensing
- Storage Humidity 5 to 85% non-condensing

### Electrical

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

### Communication Interface Capabilities

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

### 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

## Media Characteristics

### Labels

- Max. Roll Size
- 203mm (8") O.D. on a 76mm (3") I.D. core

### Thickness (label & liner)

- 0.076mm (0.003") to 0.305mm (0.012")

### Media Types

- Roll-feed, die-cut, continuous, fan-fold, tags, tickets

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

### Ribbons

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

### Max. Roll Size

- 81.3mm (3.2") O.D. on a 25.4mm (1") I.D. core

### Standard Lengths

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

### Ribbon Set-up

- Ribbon wound ink side out

## 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
- 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

### Bar Code Symbologies

- Linear Bar Codes: Code 11, Code 39, Code 93, Code 128 with subsets A/B/C and UCC Case Codes, ISBT-128, 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

## Options and Accessories

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

- 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: 104mm (4.09")

Length with 203dpi:

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

Length with 300dpi (optional):

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

### Resolutions

8 dots per mm (203dpi) (standard);

12 dots per mm (300dpi) (optional)

### Maximum Print Speed

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

### Memory

Standard: 6MB DRAM (3MB user available)

2MB Flash (768KB user available)

Optional: 8MB Flash (PCMCIA card)

### Physical Characteristics

Width: 283mm (11.2")

Depth: 495mm (19.5")

Height: 394mm (15.5")

Weight: 25kg (55lbs)

### Media Specifications

Label and liner width:

20mm (0.79") to 115mm (4.52")

Ribbon width:

20mm (0.79") to 114mm (4.5")

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

- Manufacturing and compliance labelling
- 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 e-mail-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) — is a 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.