



# 105SL™

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

## Serious about bar coding? Here's the choice of experience.

The 105SL is the latest member of Zebra's S Series™ combining fast processing 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 flexible connectivity solutions including ZebraNet® Wireless Plus Print Server for a 802.11g wireless LAN connection that frees you to move or reconfigure the printer without costly recabling. ZebraNet 10/100 Print Server provides a complete wired solution for the 105SL when using 10Base-T, 100Base-TX or fast Ethernet 10/100 auto-switching networks.



# 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

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

For further information on these products, please visit:  
[www.zebra.com](http://www.zebra.com)



## Zebra Technologies

### EMEA Headquarters

Zebra Technologies Europe Limited  
Zebra House, The Valley Centre  
Gordon Road  
High Wycombe  
Buckinghamshire  
HP13 6EQ  
UK  
Tel: +44 (0)1494 472872  
Fax: +44 (0)1494 768251  
E-mail: mseurope@zebra.com

## Other EMEA Locations

*Europe:* France, Germany, Italy, the Netherlands, Poland, Spain, Sweden  
*Middle East & Africa:* Dubai, India, South Africa



FS-30902  
An ISO 9000 registered company

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## Specifications at a Glance\*

### Standard Features

- Print methods: Thermal transfer or direct thermal
- Construction: 12-gauge steel frame with metal interior components
- Thin-film printhead with E<sup>3</sup> Printhead Energy Control
- Fast 32-bit processors
- Real-time clock
- Selectable print speeds up to 203mm (8") per second
- ZebraLink™ connectivity
- Transmissive media sensor
- Standard 2-line, 16-character LCD control panel
- ZPL II® – universal language for Zebra printers

### 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 power-factor correction 90-264VAC; 48-63Hz

### 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")

#### Width (label & liner)

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

#### 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: 7 bitmapped, 1 smooth-scalable (CG Triumvirate™ Bold Condensed)
- Contains UFST® from Agfa Monotype Corporation
- Pre-loaded Unicode™-compliant scalable fonts for EMEA character sets
- Sets: IBM® Code Page 850 International character set

#### 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 32MB flash)
- Full-width cutter with orderable catch tray
- Internal rewind spindle
- Peel/liner rewind (for print-and-apply)
- Reflective media sensor
- Fanfold bin

#### Communication Interface Capabilities

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

\*\*May require optional adaptor

#### 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

#### 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

#### Ribbon Width

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

#### Standard Lengths

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

#### Ribbon Setup

- Ribbon wound ink-side out

#### Bar Code Symbologies

- Linear Bar Codes: Codabar, Code 11, Code 39, Code 93, Code128 with subsets A/B/C and UCC Case Codes, EAN-8, EAN-13, Industrial 2-of-5, Interleaved 2-of-5, ISBT-128, Logmars, MSI, Plessey, Postnet, RSS, Standard 2-of-5, UPC-A, UPC-E, UPC and EAN 2 or 5 digit extensions
- 2-Dimensional: Codablock, Code 49, Data Matrix, MaxiCode, MicroPDF417, PDF417, QR Code, RSS

- ZebraNet® 10/100 Print Server (internal or external)
- ZebraNet PrintServer II (internal or external)
- ZebraNet Wireless Plus Print Server
- Twinax and coax interfaces (internal)
- European and Asian font sets



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**ZebraLink™**

### ZebraLink Solutions

#### Software

ZebraDesigner™ Pro

ZebraNet™ Bridge Enterprise

ZebraNet Utilities v 7.0

Zebra Universal Driver

European and Asian font sets

#### Networking

ZebraNet 10/100 Print Server

(internal or external)

ZebraNet Wireless Plus Print Server

ZebraNet PrintServer II (internal or external)

Twinax and coax interfaces (internal)

#### Firmware

ZPL II – Universal language for

Zebra printers. Simplifies label formatting and enables format compatibility with other Zebra printers

APL™ – In many cases, Zebra's Alternate Programming Language allows integration of the 105SL printer into mixed printer environments without format reprogramming (available in 203dpi printers only). For additional information on Zebra's APL products, please visit [www.zebra.com](http://www.zebra.com)

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 e-mail-enabled wired or wireless device to minimise downtime

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

#### 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)

#### Resolution

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

4MB flash

Optional: 32MB flash (PCMCIA card)

#### Physical Characteristics

Width: 283mm (11.2")

Depth: 459mm (19.5")

Height: 394mm (15.5")

Weight: 25kg (55lb)

\*Specifications subject to change without notice.

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