



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, 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 Print Server for 802.11b 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.



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 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 the Zebra Web site at:
www.zebra.com



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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 E³ Printhead Energy Control
- Fast 32-bit processors
- 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 90-264 VAC; 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")

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

Communication Interface Capabilities

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

**May require optional adapter

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

Standard Lengths

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

Ribbon Set-up

- Ribbon wound ink-side out

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, RSS
- 2-Dimensional: CODABLOCK, PDF417, Code 49, DataMatrix, MaxiCode, QR Code, Micro PDF417, RSS



105SL

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
4MB flash
Optional: 32MB flash (PCMCIA card)

Physical Characteristics

Width: 283mm (11.2")
Depth: 459mm (19.5")
Height: 394mm (15.5")
Weight: 25kg (55lb)

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™ 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 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

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

*Specifications subject to change without notice.