



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.

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



Connect with it. Count on it.™

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- 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

105SL™



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- Logistics and inventory control
- Product identification marking
- Work-in-process

Specifications at a Glance*

STANDARD FEATURES

Print methods: Thermal transfer or direct thermal
 Construction: Steel frame and cabinet with metal interior components
 Thin film printhead with E3® 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

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 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

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

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.

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.

FONTS/GRAPHICS/SYMBOLICS

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 SYMBOLICS

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

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

- Manufacturing and compliance labeling

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: 6MB DRAM (3MB 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

*Specifications listed are for base model printers with standard features only unless otherwise noted. Specifications subject to change without notice. All product and brand names are trademarks of their respective companies. All rights reserved.



HEADQUARTERS

Zebra Technologies International, LLC **WEB:** www.zebra.com
ADDRESS: 333 Corporate Woods Parkway, Vernon Hills, IL 60061-3109 U.S.A.
PHONE: +1 847.634.6700 or +1 800.423.0442 **FAX:** +1 847.913.8766

OTHER LOCATIONS

USA: California, Florida, Rhode Island, Wisconsin **EUROPE:** France, Germany, Italy, United Kingdom
ASIA-PACIFIC: Australia, China, Japan, Singapore, South Korea **MIDDLE EAST:** United Arab Emirates



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