



Zebra® 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, the 105SL is the choice of experienced users.

Cutting-Edge Network Connectivity

The 105SL offers superior connectivity solutions including wired and wireless Ethernet options. For 802.11b wireless Ethernet connectivity that frees you to move or reconfigure the printer without costly recabling, look to the ZebraNet® Wireless Card Socket option. With ZebraLink™, gain the efficiency of centralized printer management through Alert and WebView (with ZebraNet® PrintServer II). ZBI™ (Zebra BASIC Interpreter™) enables stand-alone operation of a 105SL and peripheral devices, such as scales and scanner wands, without the need for a PC host. ZBI can then transmit data captured from these devices over your network via e-mail or TCP/IP messaging.

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



Test drive a 105SL with ZebraLink today at www.zebra.com/livelink!



Connect with it. Count on it.™

105SL™



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 8"/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 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; 48-63 Hz

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
 GSA#: GS-35F-0268N
 *may require optional adapter

MEDIA CHARACTERISTICS

Labels
 Max. Roll Size: 8"/203 mm O.D. on a 3"/76 mm I.D. core
 Thickness (label & liner): .003"/.076 mm to .0012"/.305 mm
 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"/81.3 mm O.D. on a 1"/25.4 mm I.D. core
 Standard Lengths: 984'/300 m-1,476'/450 m 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/SYMBOLOLOGIES

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 Symbolologies

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, RSS Code

OPTIONS AND ACCESSORIES

300 dpi printhead
 PCMCIA memory slot (up to 8 MB 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)
 ZebraNet Wireless Card socket
 Twinax and coax interfaces (internal)
 BAR-ONE® software
 European and Asian font sets

A tough steel housing, metal interior components, and an extruded metal printhead mechanism contribute to the 105SL's reliability in industrial environments.

MAXIMUM PRINT AREA

Width: 4.09"/104 mm
 Length with 203 dpi:
 106"/2,692 mm (with standard memory)
 Length with 300 dpi (optional):
 65"/1,651 mm (with standard memory)

RESOLUTIONS

203 dpi/8 dots per mm;
 300 dpi/12 dots per mm (optional)

MAXIMUM PRINT SPEED

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

MEMORY

Standard: 6 MB SDRAM (3 MB user-available)
 2 MB Flash (768 KB user-available);
 Optional: 8 MB Flash (PCMCIA card)

PHYSICAL CHARACTERISTICS

Width: 11.2"/283 mm
 Depth: 19.5"/495 mm
 Height: 15.5"/394 mm
 Weight: 55 lbs/25 kg

MEDIA SPECIFICATIONS

Label and liner width:
 .79"/20 mm to 4.52"/115 mm
 Ribbon width:
 .79"/20 mm to 4.5"/114 mm

*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.

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