



## 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



Connect with it. Count on it.™



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105SL™



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  
2 MB Flash 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.

**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 .012" / .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: 7 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, RSS Code  
2-Dimensional: Codablock, PDF417, Code 49, Data Matrix, MaxiCode, QR Code, MicroPDF417, 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



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