



Zebra® 105SL

Thermal, On-Demand, All-Metal Bar Code Printer

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

The 105SL is the most recent member of Zebra's S Series, combining enhanced memory and processing capacity with rugged and reliable all-metal construction. Proven platform longevity plus fast processing and print speed make it the choice of experienced users.

Cutting-Edge Network Connectivity

The 105SL offers flexible connectivity solutions including ZebraNet® Wireless Print Server for 802.11b wireless connectivity that frees you to move or reconfigure the printer without costly recabling, plus ZebraNet 10/100 Print Server, which offers a complete wired solution for the 105SL when using 10Base-T, 100Base-TX, and fast Ethernet 10/100 auto-switching networks. And with ZebraLink™, gain the efficiency of centralized printer management.



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.™

105SL



Specifications at a Glance*



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

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

PRINTER SPECIFICATIONS

- Resolution**
203 dpi/8 dots per mm;
300 dpi/12 dots per mm (optional)
- Memory**
Standard: 6 MB SDRAM; 4 MB Flash
Optional: 32 MB Flash (PCMCIA card)
- Print Width**
Width: 4.09"/104 mm
- Print Length with 203 dpi:**
106"/2,692 mm (with standard memory)
- Print Length with 300 dpi (optional):**
65"/1,651 mm (with standard memory)
- Print Speed**
8"/203 mm per second (203/300 dpi)
- Media Sensors**
Transmissive
Reflective (optional)

*Specifications subject to change without notice.
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MEDIA CHARACTERISTICS

- Maximum label and liner length**
39"/991 mm
- Maximum label and liner width**
.79"/20 mm to 4.52"/115 mm
- Maximum roll outer diameter (O.D.)**
8"/203 mm
- Core inner diameter (I.D.)**
3"/76 mm
- Media thickness**
.003"/.076 mm to .012"/.305 mm

Media types
Roll-feed, die-cut, continuous, fanfold, tags, tickets
For optimum print quality and printer performance, use Genuine Zebra supplies.

RIBBON CHARACTERISTICS

- Outside diameter**
3.2"/81.3 mm
- Standard length**
984/300 m-1,476/450 m
- Ratio**
2:1 and 3:1 media roll to ribbon ratio
- Width**
.79"/20 mm to 4.5"/114 mm
- Ribbon setup**
Ribbon wound ink side out
Ribbon is recommended to be at least as wide as media.
- Core inner diameter (I.D.)**
1"/25.4 mm

OPERATING CHARACTERISTICS

- Environmental**
Operating Temp. 41° F/5° C to 104° F/40° C
Storage/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
- 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

PHYSICAL CHARACTERISTICS

- Width: 11.2"/283 mm
- Height: 15.5"/394 mm
- Depth: 19.5"/495 mm
- Weight: 55 lbs/25 kg
- Shipping weight: 63 lbs./29 kg

RELATED PRODUCTS

- Options**
300 dpi printhead
PCMCIA memory slot (up to 32 MB Flash)

Accessories

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

Connectivity

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

Software

- BAR-ONE® software
- European and Asian font sets

COMMUNICATION AND INTERFACE CAPABILITIES

- Centronics® RS-232 RS-422*, and RS-485* serial ports; IEEE 1284 bi-directional parallel
- ZebraNet 10/100 Print Server (internal or external)
- ZebraNet PrintServer II (internal or external)
- ZebraNet Wireless Print Server
- *May require optional adapter

PROGRAMMING LANGUAGES

- ZPL® & ZPL II®—Universal language for Zebra printers. Simplifies label formatting and enables compatibility with other Zebra printers.
- ZBI—Controls and interprets text and data streams from peripherals and non-ZPL printer programming languages. Transmits captured data over LAN, WAN, or wireless network via e-mail or TCP/IP messaging.

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, Data Matrix, MaxiCode, QR Code, MicroPDF417, RSS

FONTS AND GRAPHICS

- 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



HEADQUARTERS Zebra Technologies International, LLC **T:** +1 847 793 2600 or +1 800 423 0442 **F:** +1 847 913 8766
ADDRESS: 333 Corporate Woods Parkway, Vernon Hills, IL 60061-3109 U.S.A. **WEB:** www.zebra.com

OTHER LOCATIONS **USA:** California, Florida, Rhode Island, Wisconsin **EUROPE:** Denmark, France, Germany, Italy, South Africa, United Kingdom **ASIA-PACIFIC:** Australia, China, Japan, Singapore, South Korea **LATIN AMERICA:** Argentina, Brazil, Mexico **MIDDLE EAST:** United Arab Emirates



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