

### ZE500 Print Engine



The ZE500 series takes an innovative approach to OEM print engines. Leveraging customer research, the design focuses on ease of use, integration and servicing. Built with the customer in mind, the ZE500 is designed to keep mission-critical print-and-apply applications operating with no interruptions.

Rating: Not Rated Yet

[Ask a question about this product](#)

[Zebra](#)

#### Description

##### More Standard Features

- Available in right and left hand configurations
- ZebraNet 10/100 Print Server (Internal)
- Embedded ZebraLink WebView™ and Alert features
- Real Time Clock
- Applicator interface - provides status and control signals for applicators
- Communications via serial RS-232, IEEE 1284 bidirectional parallel interface with auto detect, and USB 2.0 port
- Full function graphic front panel and large multilingual back-lit LCD display with user programmable password protection
- Thin film print head with E3® Element Energy Equalizer
- Dual media sensors, transmissive and reflective, selectable through software or front panel
- ZPL® or ZPL II® programming language, selectable through software or front panel
- XML-Enabled Printing – allows XML communications from today's enterprise systems for barcode label printing
- 32 bit 133 MHz RISC processor
- Zebra printer driver for Windows 7, XP, Vista, 2008, and 2003 operating systems
- Advanced media counters

---

##### Printer Specifications

Resolution: 203 dpi (8 dots/mm)

300 dpi (12 dots/mm)

Memory:

- 16 MB DRAM
- 64 MB Flash

Print width: 203/300 dpi: 4.1" (104 mm)

Print length: 39" (991 mm)

Print speed:

- ZE500-4 203 and 300 dpi: 12" (305 mm)/sec
- ZE500-6 203 dpi: 12" (305 mm)/sec
- ZE500-6 300 dpi: 10" (254 mm)/sec

# Industrial Printers: ZE500 Print Engine

---

Media sensors: Reflective, Transmissive

---

## Media Characteristics

Maximum label and liner width: .625" (16 mm) to 4.5" (114 mm)  
Media thickness: .0053" (.135 mm) to .010" (.254 mm)  
Media types: continuous, die-cut, black mark

---

## Ribbon Characteristics

Outside diameter: 4" (101.6 mm)  
Standard length: 1,970' (600 m)  
Ratio: Ribbon is recommended to be at least as wide as media  
Ribbon width 1" (25 mm) to 4.2" (107 mm)  
Ribbon setup: Ribbon wound coated-side out  
ID Core: 1" (25.4 mm)

---

## Operating Characteristics

- Operating temperature TT: Operating temperature: 40° F (5° C) to 104° F (40° C)
- Thermal transfer DT: Operating temperature: 32° F (0° C) to 104° F (40° C)
- Storage temperatures: -40° F (-40° C) to 160° F (71° C)
- Operating humidity: 20-85% non-condensing R.H.
- Storage humidity: 5-95% non-condensing R.H.
- Electrical: Universal power supply with power-factor correction 90-264 VAC; 47-63 Hz
- Standards approvals- IEC 60950-1; EN55022, Class A; EN55024; EN61000-3-2, 3-3
- Product markings- NRTL; CE; FCC A; ICES-003; VCCI; C-Tick; CCC; NOM; Gost-R; S- Mark; KCC; BSMI

---

## Physical Characteristics

Width: 9.6" (245 mm)  
Height: 11.8" (300 mm)  
Depth: 14.95" (380 mm)  
Weight: 34 lbs (15.4 kg)  
Orientation: Right, Left

---

## Related Products

### Options

- ZebraNet 10/100 External Print Server. Class B digital device, approved for residential, commercial, or light industrial environment use only. Degradation in performance could occur if used in a heavy industrial environment
- ZebraNet b/g PrintServer- supports advanced wireless securities through an internal integrated radio card
- Additional fonts available
- Deported display
- UNICODE
- WGL4 through Swiss 721
- Firmware Support for Downloadable TrueType Fonts

### Programming Languages

Core programming languages: ZPL, ZPL II

### Bar Codes/Symbologies

Bar code ratios: 2:1, 7:3, 5:2, and 3:1

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 and Planet Code

2-dimensional bar codes: Codablock, PDF417, Code 49, DataMatrix, MaxiCode, QR Code, TLC 39, MicroPDF, RSS-14 (and composite), Aztec

---

## Fonts and Graphics

- Bitmap fonts A through V and GS symbols are expandable up to 10 times, height and width independent
- Smooth scalable font (CG Triumvirate™ Bold Condensed) is expandable dot-by-dot, height and width independent
- IBM® Code Page 850 International Characters
- Contains USFT from Agfa Monotype Corporation
- Supports user-defined fonts and graphics, including custom logos

