

## ZE500R Print Engine



Performance leaders in mission-critical RFID printing applications, these reliable print engines with RFID technology empower you with an integrated solution for identifying packages, cases and pallets. The ZE500R embeds a fully integrated ThingMagic RFID Reader/Encoder and supports the ability to print and encode short pitch item level tags, chip based serialization and block permalocking of user memory.

Rating: Not Rated Yet

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### Description

#### RFID Features Continued

- Variable RFID power settings to support the widest range of tags
- RFID job monitoring tools track RFID performance
- RFID ZPL® commands provide compatibility with existing Zebra RFID printers
- Support for industry multi-vendor chip-based serialization (MCS)
- Supports block permalocking of user memory compatible with ATA Spec 2000

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#### More Standard Features

- Resolution: 203 dpi (8 dots per mm); 300 dpi (12 dots per mm)
- Rotatable front panel display (0,180)
- 16MB SDRAM memory, 64MB Flash Memory
- 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

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#### Printer Specifications

Resolution: 203 dpi (8 dots/mm)

300 dpi (12 dots/mm)

Memory:

# RFID printers and Encoders: ZE500R Print Engine

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- 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

Media sensors: Reflective, Transmissive

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## 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

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## 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)

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## 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
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## 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

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## 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
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## Programming Languages

Core programming languages: ZPL, ZPL II

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## 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

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

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### 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