



# Zebra® ZE500™ Series Print Engine



SEE MORE. DO MORE.



## Innovative design, greater benefits

The new ZE500 Series takes an innovative approach to OEM print engines. Leveraging extensive customer research, the design focuses on ease of use, integration and servicing. Built with the customer in mind, the ZE500 Print Engine is designed to keep mission-critical print-and-apply applications operating without interruptions.

The elegant design of the ZE500 simplifies maintenance and dramatically reduces downtime. All three rollers can be exchanged in minutes, with no need to access the printer's electronics. The wide open printhead makes cleaning and replacement simple, and the quick-

change modular drive system reduces printer repair time.

Routine operations such as ribbon changing are simple and straightforward (and identical for both print widths). The new graphic display can be deported and rotated, enabling flexible positioning for improved ease of use and integration.

The user experience is much improved: the design enables easy integration with print-and-apply machinery plus has better resistance to dust and water. Expanded connectivity ports and enhanced software control of the applicator port provides further integration flexibility.

Ideal for print-and-apply labeling applications for products, cartons, cases and pallets in:

- Manufacturing and warehousing
- Automotive
- Pharmaceuticals
- Food and beverage
- Health and beauty

## Get the most out of your Zebra printer: put genuine Zebra supplies in!

Zebra offers a wide range of supplies for ZE500 Series Print Engines, all made to a high standard and suitable for a variety of applications.

- Manufactured exclusively for Zebra printers
- Laboratory-tested for optimum performance
- Proven to minimize wear and tear on printheads

For more information, visit [www.zebra.com](http://www.zebra.com)



# SPECIFICATIONS AT A GLANCE\*

## ZEBRA ZE500 SERIES PRINT ENGINE

### Standard features

- Print methods: thermal-transfer or direct-thermal
- Orientation: right-hand or left-hand
- Industrial all-metal construction
- 16MB SDRAM, 64MB flash memory
- Applicator interface
- Transmissive and reflective media sensors
- Multi-level Element Energy Equalizer™ (E3™) for superior print quality
- Real-time clock
- Rotatable display
- ZPL II® – universal language for Zebra printers

### Printer specifications

#### ZE500-4™:

##### Maximum print width

- 104mm (4.1")

##### Media specification

- Label and liner width: 0.625" (16mm) to 4.5" (114mm)
- Minimum length with back feed: 0.5" (13mm)
- Minimum length without back feed: 0.25" (6.5mm)
- Minimum length in stream mode: 0.25" (6.5mm)
- Maximum length: 39" (990mm)
- Maximum continuous media print length: 150" (3,810mm)
- Ribbon width: 1" (25.4mm) to 4.2" (107mm)

##### Resolution

- 203dpi (8 dots/mm) or 300dpi (12 dots/mm)

##### Maximum print speed

- 12" (305mm) per second (203 and 300dpi)

#### ZE500-6™:

##### Maximum print width

- 6.6" (168mm)

##### Media specification

- Label and liner width: 3" (76mm) to 7.1" (180mm)
- Minimum length with back feed: 3" (76mm)
- Minimum length without back feed: 1" (25.4mm)
- Minimum length in stream mode: 1" (25.4mm)
- Maximum length: 39" (990mm)
- Maximum continuous media print length: 150" (3,810mm)
- Ribbon width: 3" (76mm) to 7.1" (180mm)

##### Resolution

- 203dpi (8 dots/mm) or 300dpi (12 dots/mm)

##### Maximum print speed

- 12" (305mm) per second (203dpi)
- 10" (254mm) per second (300dpi)

### Media characteristics

#### Labels

##### Media thickness (label and liner)

- ZE500-4: 0.0053" (0.135mm) to 0.010" (0.254mm)
- ZE500-6: 0.003" (0.076mm) to 0.012" (0.305mm)

##### Media types

- Continuous, die-cut or black mark

#### Ribbons

##### Max. roll size

- 4" (101.6mm) O.D. on a 1" (25.4mm) I.D. core

##### Standard length

- 1,968 (600m) capacity

### Operating characteristics

#### Environment

- Operating temp.: 31°F (0°C) to 104°F (40°C)
- Storage temp.: -40°F (-40°C) to 160°F (71°C)
- Operating humidity: 20% to 95% non-condensing R.H.
- Storage humidity: 5% to 95% non-condensing R.H.

#### Electrical

- Universal power supply with power-factor correction 90–264 VAC, 47–63Hz

#### Connectivity

- Parallel port: Centronics®-compatible
- Serial interface: RS-232
- USB 2.0
- Internal ZebraNet® 10/100
- Applicator interface with DB-15F connector
- Optional ZebraNet b/g Print Server

#### Agency Approvals

- VCCI, CCC
  - Standards approvals: IEC 60950-1; EN 55022, Class A; EN 55024; EN 61000-3-2, 3-3
- Product markings: NRTL; CE; FCC A; ICES-003; VCCI; C-Tick; CCC; NOM; Gost-R; S-Mark; KCC; BSMI

### Physical characteristics

#### ZE500-4:

- Width: 9.6" (245mm)
- Depth: 14.9" (379mm)
- Height: 11.8" (300mm)
- Weight: 34lbs (15.4kg)

#### ZE500-6:

- Width: 9.6" (245mm)
- Depth: 17.2" (438mm)
- Height: 11.8" (300mm)
- Weight: 38lbs (17.3kg)

### Fonts/Graphics/Symbologies

#### Fonts and character sets

- Zebra Global printing solution including Unicode™
- Swiss 721 font standard
- Bitmap fonts A to H and GS symbols are expandable up to 10 times, height- and width-independent
- Smooth-scalable font Ø (CG Triumvirate™ Bold Condensed) is expandable dot-by-dot, height- and width-independent
- IBM® Code Page 850 International Characters
- Contains UFST® from Agfa Monotype Corporation
- Firmware support for downloadable TrueType™ fonts
- Additional fonts available

#### Graphics features

- Supports user-defined fonts and graphics, including custom logos

#### Bar code symbologies

- All standard linear and 2D bar codes supported

### ZebraLink™ Solutions

#### Software

- ZebraDesigner™ Pro
- ZebraNet™ Bridge Enterprise
- ZBI 2.0™ ZBI-Developer™

#### Firmware

- ZPL II
- Web View
- Alert
- ZBI 2.0

\*Specifications subject to change without notice.

©2012 ZIH Corp. Element Energy Equalizer, E3, ZBI 2.0, ZBI-Developer, Zebra, representation of Zebra Head, ZebraDesigner, ZebraLink, ZebraNet, ZPL II and all product names and numbers are Zebra trademarks, and may be registered trademarks of ZIH Corp in certain jurisdictions. All rights reserved. Unicode is a trademark of Unicode, Inc. CG Triumvirate and UFST are trademarks of Monotype Imaging, Inc. and may be registered in certain jurisdictions. TrueType is a trademark of Apple Inc. IBM is a registered trademark of International Business Machines Corporation in the United States, other countries, or both. Centronics is a registered trademark of Centronics Data Computer Corporation. All other trademarks are the property of their respective owners.



SEE MORE.  
DO MORE.

www.zebra.com

#### Corporate Headquarters

+1 800 423 0442  
inquiry4@zebra.com

#### Asia-Pacific Headquarters

+65 6858 0722  
apacchannelmarketing@zebra.com

#### EMEA Headquarters

+44 (0)1628 556000  
mseurope@zebra.com

#### Latin America Headquarters

+1 847 955 2283  
inquiry4@zebra.com

**Other Locations / USA:** California, Georgia, Illinois, Rhode Island, Texas, Wisconsin, United Kingdom **Europe:** France, Germany, Italy, the Netherlands, Poland, Spain, Sweden, Turkey, **Asia Pacific:** Australia, China, Hong Kong, India, Japan, Malaysia, South Korea, Singapore, Thailand **Latin America:** Brazil, Florida (LA Headquarters in USA), Mexico **Africa/Middle East:** Dubai, South Africa