



# Zebra® ZE500™ Series Print Engine



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## 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, ease of service and ease of integration. 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 replacement are simple and straightforward (and identical for both print widths). The new graphical LCD display can be deported from the unit and positioned as suited for the application for improved ease of use.

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

## Genuine Zebra™ Supplies

Ensure consistent print quality, reduce downtime and increase productivity in your printing process with genuine Zebra supplies. We manufacture each supplies product with the exact same materials every time so you always get crisp, readable and scannable output without needing to adjust the printer darkness setting between rolls.



# SPECIFICATIONS AT A GLANCE\*

## Printer Name

ZE500-4™  
ZE500-6™

## Standard Features

- Print methods: thermal transfer or direct thermal
- Orientation: right-hand or left-hand
- Industrial all-metal construction
- 16 MB SDRAM, 64 MB 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®

## Printer Specifications

### ZE500-4™:

#### Maximum print width

4.1"/ 104mm

#### 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/ 8dots per mm or 300dpi/ 12dots per mm

#### Maximum print speed

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

### 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/ 8dots per mm or 300dpi/ 12dots per mm

## Maximum print speed

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

## Media characteristics

### Labels

#### Media thickness (label and liner)

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

#### Media types

Continuous, die-cut or black mark

### Ribbons

#### Max. roll size

4"/ 101.6mm OD on a 1"/ 25.4mm ID 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, 47–63 Hz

### Connectivity

- Parallel port: Centronics®-compatible
- Serial interface: RS-232
- USB 2.0
- ZebraNet® 10/100 Print Server (internal)
- 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 : 34 lbs/ 15.4kg

### ZE500-6:

Width : 9.6"/ 245mm  
Depth : 17.2"/ 438mm  
Height : 11.8"/ 300mm  
Weight : 38 lbs/ 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 barcodes supported

## ZebraLink™ solutions

### Software

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

### Firmware

- ZPL II
- Web View & Alert
- ZBI 2.0



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