

ZD500R



Small in size but full of features, the ZD500R is Link-OS-enabled making it simple to integrate and manage. With automatic calibration, you'll enjoy lower media cost, less waste and fewer roll changes. Featuring UHF RFID encoding capabilities, it is ideal for numerous applications such as retail tagging, and manufacturing, government and healthcare tracking.

Rating: Not Rated Yet

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[Zebra](#)

Description

RFID Features

- Prints and encodes tags with a minimum pitch of 0.6"/16 mm (without cutter option)
- Adaptive Encoding Technology simplifies RFID setup and eliminates complex RFID placement guidelines
- RFID job monitoring tools track RFID performance
- RFID ZPL® commands provide compatibility with existing Zebra RFID printers
- Support for industry standard multi-vendor chip-based serialization (MCS)
- Supports block permalocking of user memory compatible with ATA Spec 2000
- Integrated ThingMagic® RFID Reader/Encoder

Printer Features

- Tool-less printhead and platen replacement
- OpenACCESS™ for easy media loading
- Quick and easy ribbon loading
- Simplified calibration of media
- Quad connectivity: USB, Parallel, Serial, and Ethernet
- Real-time clock
- LCD User Interface
- Zebra E3 Printhead Energy Contro
- ENERGY STAR® qualified
- Link-OS™ enabled
- Print Touch™ app
- Unicode compliant for multi-language printing
- 16 resident expandable ZPL II® bitmap fonts
- Two resident scalable ZPL fonts
- Auto-switching 100-240V power supply
- Head-up sensor
- Standard tear-off mode feature
- 3" media core adaptor
- Zebra printer drivers for Windows™

Printer Specifications

RFID printers and Encoders: ZD500R

Resolution:

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

Memory:

- 128 MB Std SDRAM memory (4 MB available to user)
- 256 MB Std Flash memory (56 MB available to user)

Print length:

- 39" (990 mm) maximum

Programmable print speeds of 2, 3, 4, 5, & 6 ips (51, 76, 102, 127, & 152 mm/s)

Media sensors:

- Full width reflective and multiposition transmissive sensors

Media Characteristics

Maximum label and liner length: 39"/990 mm (maximum non-continuous)

Maximum label and liner width: 0.75"/19 mm to 4.25"/108 mm

Label Length:

- Minimum using tear off mode: .25" (6.3 mm)
- Minimum with label present sensor used - 0.50" (12.7 mm)
- Minimum with cutter - 1.0" (25.4 mm)

Maximum media roll size: 5"/127 mm O.D.

Media thickness: 0.003"/0.08 mm to 0.012" (0.305 mm)

Media types: Roll-fed or fan-fed, die-cut or continuous direct thermal labels with or without black line, tag stock, continuous receipt paper, wristbands

Ribbon Characteristics

Outside diameter: 1.36"/35 mm

Standard length: 244"/74 mm

Ratio: 1:1 media to roll to ribbon

Width: 1.33"/33.8 mm to 4.3"/109.2 mm

Core inner diameter: 0.5"/12.7 mm

Environmental

Storage Temperatures: -40° F/-40° C to 140° F/60° C

Physical Characteristics

Width: 7.6"/193 mm

Height: 7.5"/191 mm

Depth: 10.0"/254 mm

Weight: 4.9 lbs/2.2 kg

Barcodes/Symbologies

- Barcode Ratios: 2:1 (non-rotated) and 3:1
 - Linear Bar Codes: Code 11, Code 39, Code 93, Code 128, UPC-A, UPC-E, EAN-8, EAN-13, EAN-14, UPC-A and UPC-E with EAN 2 or 5 digit extensions, Plessey, POSTNET, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar, and GS1 DataBar (formerly RSS)
 - 2-Dimensional: PDF417, MicroPDF-417, Code 49, Maxicode, Codablock, Data Matrix, QR code, Aztec
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Options and Accessories

300 dpi print resolution printing for fine detail and crisp images

Wireless—802.11 a/b/g/n and Bluetooth 3.0

Dispenser—label peel and present with present sensor

Cutter for various media types

ZKDU and KDU Plus™ keyboard display units for stand-alone printing solutions