

ZT421 Industrial Printer



Specifications are provided for reference and are based on testing the ZT421™ printer using genuine Zebra® supplies. Results may vary in actual application settings or when using other-than-recommended Zebra supplies. Zebra recommends always qualifying any application with thorough testing.

Rating: Not Rated Yet

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Description

More Standard Features

- Thermal transfer and direct thermal printing
- Thin film printhead with E3™ Element Energy™ Equalizer for superior print quality
- 203 dpi print resolution (8 dots / mm)
- Print speeds per second up to 12"

Printer Specifications

Resolution:

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

Media Sensors:

- Dual media sensors
 - transmissive and reflective
- 3" media supply hanger
- Auto calibration
 - printer calibrates when printer is turned on or when printhead is close

Media Characteristics

Media Types: Continuous, die-cut, notch, black-mark

- Maximum Non-continuous Label Length: 39" (991 mm)
- Media Web Width (Label and Liner):
 - ? 2.00" (51 mm) to 7.0" (178 mm) Tear / Cutter
 - ? 2.00" (51 mm) to 6.75" (171 mm) Peel / Rewind
- Minimum Label Length:
 - ? Tear-off mode: 0.5" (12.7 mm)
 - ? Peel mode: 0.5" (12.7 mm)
 - ? Rewind mode: 0.5" (12.7 mm)
 - ? Cutter: 1.00" (25.4 mm)
- Media Thickness (Label and Liner):
 - ? 0.0023" (0.058 mm) to 0.010" (0.25 mm)
- Maximum Media Roll Dimensions:
 - ? 8.0" (203 mm) O.D. on a 3" (76 mm) I.D. core

Ribbon Characteristics

- Ribbon Width: 2.00" (51 mm) to 6.85" / 174 mm
- Maximum Ribbon Length: 1476' (450 m)
- Maximum Ribbon Roll Size: 450 m: 3.2" (81.3 mm) O.D. on a 1.0" (25.4 mm) I.D. core
- Ribbon Wound Ink-side Out

Environmental

Operating Environment

- Operating Environment:
 - ? Thermal transfer = 40° to 104°F (5° to 40°C)
 - ? Thermal direct = 32° to 104°F (0° to 40°C)
 - ? 20% to 85% non-condensing R.H.
- Storage / Transportation Environment:
 - ? 40° to 140°F (-40° to 60°C)
 - ? 5% to 85% non-condensing R.H.

Design

- Easy, side-loading metal print mechanism
- Door and print mechanism activated lights to light supplies path
- Tool-less printhead and platen replacement
- Metal media cover with enlarged clear viewing window
- Robust-gold user touch points indicating key adjustments
- Bi-fold media door decreasing overall operating space by 35%

Operation

- 4.3-inch color touch display with intuitive menu for quick operation and settings management

- Bi-colored status LEDs for quick printer status
- ARM Cortex A7 processor
- 256 MB RAM memory (8 MB User Available)
- 512 MB Flash memory (64 MB User Available)
- Print Touch™ application
- Link-OS®-enabled
- Auto-switching 100-240V power supply
- ENERGY STAR® qualified
- Printhead element out detection

Communication

- USB 2.0, high speed
- RS-232 Serial (RS-232C with DB9F connector; Configurable baud rate (2400 – 115,200kB), parity, and data bits. Stop bits at 1 or 2; Software (XON/XOFF), hardware (DTR/DSR or RTS/CTS) communication handshake protocols)
- 10/100 Ethernet: Supports networks internally integrated option that enables the use of Webview and Alert features
- Bluetooth® 4.1 (including Apple®)
- Dual USB Host

Media Handling

- Dual media sensors — transmissive and reflective
- 3" media supply hanger
- Auto calibration — printer calibrates when printer is turned on or when printhead is closed