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
Ask a question about this product

Zebra

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 = 40º to 104ºF (5º to 40ºC)

  ? Thermal direct = 32º to 104ºF (0º to 40ºC)

  ? 20% to 85% non-condensing R.H.

• Storage / Transportation Environment:

  ? 40º to 140ºF (-40º to 60ºC)

  ? 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