

# Zebra® 110PAX4™ 170PAX4™



## **PAX4™ Print Engines Deliver Superior Performance and Reliability**

The 110PAX4 and the 170PAX4 print engines are the performance leaders in mission-critical print-and-apply applications. With increased throughput and enhanced connectivity, including wireless and Ethernet, along with all-metal construction and outstanding print quality, PAX4 print engines deliver outstanding value, reliability, and durability.

## **Better Than Ever for High-Volume Needs**

With improved serviceability, faster first-label-out time, and a fully functional real-time clock, the PAX4 print engines deliver what it takes to make print-and-apply solutions super performers. European voltage requirements are now met with the 28V I/O option.

## **Real-time Connectivity and Control**

Reduce downtime and increase productivity. Using advanced ZebraLink™ Solutions, PAX4 print engines offer instant status alert messages and centralized control, allowing you to troubleshoot quickly and keep production lines moving.

## **802.11 b/g Wireless with Tethered Antenna**

When equipped with ZebraNet® Internal Wireless Plus, PAX4 supports the latest wireless security and authentication protocols. Featuring an integrated radio card, and a tethered antenna for added flexibility in maximizing wireless reception, PAX4 stays connected to keep your business moving forward.



**Designed for high-speed, high-throughput applications, both the 110PAX4 (for 4-inch printing) and the 170PAX4 (for print widths up to 6 inches wide) are ideal for print/apply systems including:**

- Mission-critical industrial applications
- High-volume product, carton, case, and pallet labeling
- Packaging



# Specifications at a Glance\*

## 110PAX4

### Print Specifications

#### Print Width

4.1"/104 mm

#### Print Length

Maximum non-continuous media: 39"/990 mm  
Maximum continuous media: 100"/2540 mm

### Physical Characteristics

- Width: 9.6"/245 mm
- Height: 11.8"/300 mm
- Depth: 16.4"/417 mm
- Weight: 36.5 lbs./15.6 kg

### Media Characteristics

#### Media Width (label and liner)

0.625"/16 mm to 4.5"/114 mm

#### Media Thickness (label and liner)

0.0058"/0.148 mm to 0.010"/0.254 mm

#### Media Types

Continuous, die-cut or black mark

### Ribbon Characteristics

#### Outside Diameter

4.0"/101.6 mm O.D

#### Standard Length

2,955/900 m

#### Ratio

Ribbon is recommended to be at least as wide as media

#### Ribbon Setup

Ribbon wound coated-side out

#### Core I.D.

1.0"/25.4 mm I.D. core

## 170PAX4

### Printer Specifications

#### Print Width

6.6"/168 mm

#### Print Length

Maximum non-continuous media: 39"/990 mm  
Maximum continuous media: 150"/3810 mm

### Physical Characteristics

- Width: 9.6"/245 mm
- Height: 11.8"/300 mm
- Depth: 18.3"/465 mm
- Weight: 35.5 lbs./16.1 kg

### Media Characteristics

#### Media Width (label and liner)

3.0"/76 mm to 7.1"/180 mm

#### Media Thickness (label and liner)

.003"/.076 mm to .012"/305 mm

#### Media Types

Continuous, die-cut or black mark

### Ribbon Characteristics

#### Outside Diameter

4.0"/101.6 mm O.D

#### Standard Length

2,955/900 m

### Ratio

Ribbon is recommended to be at least as wide as media

### Ribbon Setup

Ribbon wound coated-side out

### Core I.D.

1.0"/25.4 mm I.D. core

### Standard Features

- Resolution:
  - 203 dpi/8 dots per mm;
  - 300 dpi/12 dots per mm
- Memory: 10 MB DRAM; 2 MB non-volatile Flash
- Print methods: Thermal transfer or direct thermal
- Print Speed: 12"/305 mm per second (203 dpi)  
8"/203 mm per second (300 dpi)
- Media Sensors: Transmissive and reflective
- Orientation: Right-hand or left-hand
- Industrial all-metal construction
- 10 MB DRAM
- 2 MB non-volatile Flash memory
- Applicator interface
- Multilingual backlit LCD
- Enhanced Alert notification—monitors
- printhead condition
- Multi-level Element Energy Equalizer™ (E<sup>3</sup>) for superior print quality
- 32-bit 133 MHz RISC processor
- Zebra printer driver for Windows® 3.X and Windows 95/98/NT/2000
- Real-time clock
- XML-Enabled printing

### Operating Characteristics

#### Environmental (Thermal Transfer)

- Operating Temp.
  - 40° F/5° 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, 48-62 Hz

#### Agency Approvals

UL-60950 3rd edition, CAN/CSA-C22.2 No 60950-00 3rd edition, FCC part 15 - Class A, ICES-003, EN60950, EN55022-Class A, EN61000-6-2, VCCI, CCC

### Related Products

#### Options and Accessories

- PCMCIA cards
- CompactFlash® cards
- Linear PCMCIA cards available 8 MB and 32 MB
- 64 MB On-Board Linear Flash Memory
- RFID Ready (110PAX4 only)
- WGLA through Swiss 721
- Firmware support for downloadable TrueType™ fonts
- PC memory card
- Additional fonts available

### Zebralink Solutions

#### Software

- ZebraDesigner™ Pro
- ZebraDesigner for XML
- ZebraNet™ Bridge Enterprise
- ZebraNet Utilities v 7.0
- Zebra Universal Driver
- ZBI-Developer™

#### Networking

- ZebraNet® 10/100 Print Server
- ZebraNet Internal Wireless Plus (available only in North America and the European Union)
- ZebraNet Wireless Plus

#### Firmware

- ZPL® II
- Global Printing
- XML-Enabled printing
- APL-1™/APL-D™ (Contact Zebra Development Services for additional details)
- Web View
- Alert
- ZBI 2.0™

### Communications and Interface Capabilities

- High-speed bi-directional parallel interface, Centronics® compatible.
- High serial interfaces: RS-232C and RS422 with DB9F connector
- RS-485 multi-drop capability
- Configured baud rate (110 to 57.6 kB), parity, data bits, and stop bits
- Applicator interface with DB15F connector

### Bar Code Symbolologies

#### Linear Bar Codes

Codabar, Code 11, Code 39, code 93, Code 128 with subsets A/B/C and UCC Case codes, EAN-8, EAN-13, Industrial 2-of-5, Interleaved 2-of-5, IBST-128, Logmars, MSI, Planet Code, Plessey, POSTNET, Standard 2-of-5, UPC-A, UPC-E, UPC and EAN 2 or 5 digit extensions

#### 2-Dimensional

Codablock, Code 49, Data Matrix, MaxiCode, MicroPDF, PDF417, QR Code and TLC 39, Aztec

### Fonts and Graphics

#### Fonts and Character Sets

- Bitmap fonts A through 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
- Sets: IBM® Code Page 850 International Characters
- Contains UFST® from Monotype Imaging, Inc.

#### Graphic Features

Supports user-defined fonts and graphics— including custom logos

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