



PAX3™ Series

Versatile, Four- and Six-inch Wide, OEM Print Engines

Connect to PAX3 high-performance print engines!

170PAX3™ and 110PAX3™ print engines are the performance leaders in mission-critical print-and-apply applications. And they keep you connected! The PAX3 Series is the world's first family of print engines to send you instant status messages and put you in control of your PAX3 engine's entire configuration—no matter where you are in the world!

First to Offer 600dpi!

Zebra offers the widest selection of print engines in the market today, including the *very first 600dpi OEM print engine!* The new 110 PAX3 with 600dpi tackles narrow-width applications with unrivaled resolution.



PAX3 Series

Only on the 110PAX3 with 600dpi!

- 600dpi resolution
- 300 unique darkness settings for print flexibility
- Advanced counter standard
- Enhanced Alert notification—monitors printhead condition every 150 meters

State-of-the-art Technology (all PAX print engines)



ZebraLink™ real-time connectivity and control solution

- *Alert* (requires ZebraNet® PrintServer II)—receive unsolicited Alert condition messages via any email-enabled device (e.g. PCs, PDAs, pagers and cell phones)
- *WebView* (requires ZebraNet PrintServer II)—monitor and configure networked Zebra print engines remotely using any standard Web browser
- *ZBI™* (Zebra BASIC Interpreter)—programming language that works with ZPL II to control and interpret incoming text and data
- Dual 32-bit processors with 4MB DRAM and 1.5MB non-volatile Flash memory for on-board storage of formats, graphics, or fonts
- 900m ribbon capacity

For more help in selecting the right printing solution for your application contact an authorized Zebra printer applicator distributor or locate one through www.zebra.com



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Other Locations

United States: California, Florida, Rhode Island, Wisconsin

Europe: France, Germany, Italy, United Kingdom

Asia-Pacific: Australia, China, Japan, Singapore, South Korea



Connect with it. Count on it.™

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Standard Features

- Print methods: Thermal transfer or direct thermal
- Industrial, all-metal construction
- 4MB DRAM
- 1.5MB non-volatile Flash memory
- ZebraLink™
- Flash firmware
- PC card interface
- Real-time clock
- User selectable ribbon-low warning (110PAX3 any resolution)
- Applicator interface
- Dual 32-bit CISC and RISC microprocessors
- Transmissive media sensor
- Reflective (black mark) media sensor
- Multilingual backlit LCD
- Advanced counter (standard on 110PAX3 with 600dpi)

Zebra Programming Languages

- ZPL® & ZPL II®—Universal language for Zebra printers. Simplifies label formatting and enables format compatibility with other Zebra printers.
- ZBI™—Controls and interprets text and data streams from peripherals and non-ZPL printer programming languages. Transmits captured data over LAN, WAN, or wireless network via e-mail or TCP/IP messaging.

Operating Characteristics

Environment

- Operating Temp. (tt) 41°F/5°C to 104°F/40°C
- Operating Temp. (dt) 32°F/0°C to 104°F/40°C
- Storage/Transport Environ. -40°F/-40°C to 140°F/60°C
- Operating Humidity 20–85% non-condensing
- Storage Humidity 5–85% non-condensing

Electrical

- Universal power supply with power factor correction 90–264VAC; 48–62Hz

Communication Interface Capabilities

- High speed RS-232/422/485 serial interface
- High speed, bi-directional IEEE 1284 parallel interface

Agency Approvals

- UL 1950 3rd Edition; CSA 22.2 950-95; EN60950 (IE 950); FCC (Class A); DOC (Class A); EN 55022 (CISPR) (Class A); EN61000-6-2; AS/NZS 3548

Media Characteristics

Labels and Tags

Media Types

- Continuous, die-cut, or black mark

For optimum print quality and print engine performance, use Genuine Zebra supplies.

Ribbons

Max. Roll Size

- 4"/101.6mm O.D. on a 1"/25.4mm I.D. core

Standard Length

- 2,995'/900m capacity

Ribbon Set-up

- Ribbon wound ink side out

Ribbon is recommended to be at least as wide as media.

Fonts/Graphics/Symbologies

Fonts and Character Sets

- Standard Fonts: 7 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)
- Sets: IBM® Code Page 850 International character set

Graphic Features

- Supports user-defined fonts and graphics—including custom logos

Bar Code Symbologies

- Linear Bar Codes: Code 11, Code 39, Code 93, Code 128 with subsets A/B/C and UCC Case C Codes, ISBT 128, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2 or 5 digital extensions, Plessey, Postnet, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar, Planet Code
- 2-Dimensional: Codablock, PDF417, Code 49, DataMatrix, MaxiCode, QR Code, Micro PDF-417, TLC 39

Options and Accessories

- ZebraNet® PrintServer II
- Expanded memory (up to 12MB DRAM)
- Scalable and international fonts
- 8MB PC card
- Advanced Counter
- IBM® Coax interface (excludes 110PAX3 with 600dpi)
- IBM® Twinax interface (excludes 110PAX3 with 600dpi)
- BAR-ONE® software
- Remote front panel (remains functional when removed and wired within 25'/7.62m; 110PAX3 only)



110PAX3

170PAX3

Designed for high-speed, high-throughput applications, both the four-inch 110PAX3 and six-inch 170PAX3 are ideal for print/apply systems including:

- Mission-critical industrial applications
- High-volume product, carton, case, and pallet labeling
- Product identification—print high-resolution labels on small products with the 110PAX3 with 600dpi

110PAX3

Minimum Print Area

Width: 0.5"/13mm

Length with standard memory: 0.5"/13mm

Length with backfeed: 0.5"/13mm

Length without backfeed: 0.25"/6.5mm

Maximum Print Area

Width:

4.1"/104mm (203/300dpi); 3.2"/81mm (600dpi)

Length with standard memory:

39"/990mm (203/300dpi); 20"/508mm (600dpi)

Resolutions

203dpi/8dots/mm or 300dpi/12dots/mm

NEW: 600dpi/24dots/mm (factory-installed only)

Orientation

Right or left hand

Maximum Print Speed

12"/305mm per second (203dpi)

8"/203mm per second (300dpi)

4"/101mm per second (600dpi)

Memory

Standard: 4MB DRAM

Optional: up to 12MB DRAM

Physical Characteristics

Width: 9.6"/245mm

Depth: 14.9"/379mm

Height: 11.8"/300mm

Weight: 34.5lbs./15.6kg

Media Specifications

Label width: 0.5"/13mm to 4.5"/114mm

Ribbon width: 1"/25.4mm to 4.25"/108mm

170PAX3

Minimum Print Area

Width: 3"/76mm

Length with standard memory: 3"/76mm

Length with backfeed: 3"/76mm

Length without backfeed: 1"/25.4mm

Maximum Print Area

Width: 6.6"/168mm

Length with standard memory: 39"/990mm

Resolutions

203dpi/8dots/mm or 300dpi/12dots/mm

Orientation

Right or left hand

Maximum Print Speed

12"/305mm per second (203dpi)

8"/203mm per second (300dpi)

Memory

Standard: 4MB DRAM

Optional: up to 12MB DRAM

Physical Characteristics

Width: 9.6"/245mm

Depth: 17"/432mm

Height: 11.8"/300mm

Weight: 32lbs./14.5kg

Media Specifications

Label width: 3"/76mm to 7.1"/180mm

Ribbon width: 3"/76mm to 7.1"/180mm

