



Zebra® 110PAX4™ 170PAX4™

**Versatile, 4- and 6-Inch-Wide
OEM Print Engines**

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. Through ZebraLink™, PAX4 print engines can send you instant status alert messages and give you Web-based centralized control, allowing you to troubleshoot quickly and keep production lines moving.

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

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



110PAX4 170PAX4



110PAX4

PRINTER SPECIFICATIONS

Print width: 4.1"/104 mm

Print length:

Maximum non-continuous media print length:

10 MB memory = 39"/990 mm

Maximum continuous media print length:

10 MB memory = 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):

.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 print length:

10 MB memory = 39"/990 mm

Maximum continuous media print length:

10 MB memory = 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

Specifications at a Glance*

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

Transmissive and reflective media sensors

Multilingual backlit LCD

Enhanced Alert notification—monitors

printhead condition

ZebraLink™

Multi-level Element Energy Equalizer™ (E³®) 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

OPERATING CHARACTERISTICS

Environmental (Thermal Transfer)

Operating Temp. 31° F/0° C to 105° 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

* Specifications subject to change without notice.

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RELATED PRODUCTS

Options and Accessories

PCMCIA cards

CompactFlash® cards

Linear PCMCIA cards available 8 MB and 32 MB

ZebraNet® 10/100 PrintServer

ZebraNet Wireless Print Server

UNICODE

WGLA through Swiss 721

Firmware support for downloadable TrueType™ fonts

PC memory card

Additional fonts available

Connectivity

High-speed bi-directional parallel interface, Centronics® compatible

High-speed serial interfaces:

RS-232C and RS422 with DB9F connector

RS-485 multi-drop capability

Configurable baud rate (110 to 57.6 kB), parity, data bits, and stop bits

Software (XON/XOFF) or hardware (DTR/DSR)

communication handshake protocols

Applicator interface with DB15F connector

PROGRAMMING LANGUAGES

Core programming languages

ZPL® and ZPL II®—Universal language for Zebra printers

ZBI™—Controls and interprets text and data from peripherals and non-ZPL printer programming languages. Transmits captured data over LAN or WAN via e-mail or TCP/IP messaging.

BAR CODES/SYMBOLOGIES

Linear

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, ISBT-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

FONTS AND GRAPHICS

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 Agfa Monotype Corporation

Graphics Features

Supports user-defined fonts and graphics—including custom logos



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