PX Series

EasyCoder® PX
Series Printers

- **Outstanding performance and print quality – prints up to 115 six-inch long compliance labels per minute**

- **Sturdy all-metal construction enables 24/7 printing in harsh industrial environments**

- **Easily adapts to changing host environments and applications**

- **Modular design for integration into automated labeling applications**

- **Supports stand-alone printer applications, eliminating the expense of PCs**

- **Choice of IPL or Fingerprint/DP printer command language**

- **Interchangeable print head provides choice of 203, 300 or 400 dpi print resolution**

The EasyCoder® PX Series printers are rugged, metal, high-performance printers designed to excel in demanding environments and support round-the-clock operations. The open, modular design ensures the printers are easy to adapt, maintain and service. The PX Series includes the PX4i and PX6i, each featuring a maximum print width of 4 or 6 inches respectively.

Designed for easy integration into manufacturing environments, the PX series printers can be mounted in virtually any position. The versatile form factor facilitates the addition of add-ons such as an automatic label applicator.

The EasyCoder PX series printers can operate as stand alone devices executing user-defined programs thereby eliminating the need for a PC. With up to seven wired and wireless connectivity interfaces, these printers can operate production line machinery, including scanners, scales, other printers and conveyor as well as access information directly from the network host.

Fully programmable and able to change with the application, the PX Series printers

provide additional functionality and continued investment protection. They are not restricted by printer command languages and can communicate with and replace competitive and older Intermec printers without any changes to host programming or label format design.

The PX series printers print instantly from first to last label at up to 12 inches per second. Both versions are available with 203 or 300-dpi resolution print heads. The PX4i also offers 400-dpi resolution without any loss of speed. This is ideal for on demand and compliance labeling applications with variable data requiring immediate results.

The PX series printers are the first bar code label printer to integrate Intermec's Readiness Indicator (IRI) light. Part of the Intermec SmartSystem™, this light provides a visual cue to the operating state of the printer. The EasyCoder PX series printers communicates with the SmartSystem Console which displays status, provides access to configuration, eases installation of new printers, and assists in identifying printer consumables that require replenishment.

Intermec®

Physical Description
Direct Thermal (DT) and Thermal Transfer (TT) printers in 4-inch and 6-inch widths for printing adhesive labels, tickets and tags.

Models
EasyCoder PX4i
EasyCoder PX6i

Physical Characteristics
LxHxW: PX4i: 482 x 238 x 275 mm (19.0 x 9.4 x 10.8 in)
PX6i: 482 x 238 x335 mm (19.0 x 9.4 x 13.2 in)
Weight: PX4i: 12.85 kg (28.4 lbs)
PX6i: 14.80 kg (32.6 lbs)

Print Specifications
Max. Print Width:
PX4i: 112 (DT)/110 (TT) mm (4.4/4.3 in)
PX6i: 167.4 mm (6.59 in)
Max. Length with extended memory:
4095 mm (161 in) at 203 dpi
2775 mm (109 in) at 300 dpi
1016 mm (40 in) at 400 dpi

Print Speed
PX4i: 100 - 300 mm/s (4 - 12 ips) variable
PX6i: 100 - 225 mm/s (4 - 9 ips) variable

Print Direction
Prints smooth text, any size bar codes and graphics in all four orthogonal directions.

Print Resolution
8 dots/mm (203 dpi)
11.8 dots/mm* (300 dpi)
16 dots/mm (400 dpi) ; Available in the PX4i only

Label/Ticket/Tag
Max. Width: PX4i: 120 mm (4.72 in)
PX6i: 170 mm (6.69 in)
Min. Width: PX4i: 25.0 mm (1.0 in)
PX6i: 76.2 mm (3.0 in)
Thickness: 60 to 250μm (2.4 to 10 mil)
Style: Roll-fed, die-cut, continuous or fanfold labels, tags or tickets
Label Roll max diameter: 213 mm (8.38 in)
Label Roll Core: 38-76 mm (1.5-3.0 in)
Media Type: Thermally sensitive media

Ribbon Roll
Ribbon roll max diameter: 80 mm (3.15 in) corresponding up to 600 m (23 600 in) in length
Ribbon Roll Core: 25 mm (1.0 in)
Ribbon Type: Wax, wax/resin, resin

Interfaces
Standard:
- EasyLAN 10/100BaseT internal Ethernet
- RS-232, up to 115.2 kB/s
- USB 2.0
- Wand interface for EasySet™ System
Optional:
- EasyLAN Wireless internal Ethernet
Optional interface card adapters:
- Parallel IEEE 1284
- Industrial Interface* (8 digital in/out, 4 analog relays, 1 RS232/422/485 port) • Dual Serial ports RS-232, RS-422, RS-485 and 20mA Current Loop*
Network Interface Options:
EasyLAN integrated Ethernet: RJ-45 connector for 10BaseT or 100baseTX
EasyLAN Wireless:
- Fully integrated IEEE 802.11b/g
- WEP 128 bit, 802.1x/WPA/LEAP/PEAP
- Multiple industrial antenna options for maximized coverage
Supported Protocols: TCP/IP-suite (TCP, UDP, ICMP, IGMP, etc.), LPR/LPD, FTP, BOOTP, DHCP, HTTP, SNMP, SMTP
SNMP-MIB II supported (over UDP/IP), private enterprise MIB included

Software
Available printer command languages:
- IPL
- Fingerprint/Direct Protocol
Applications/Drivers (comes on Printer Companion CD) including:
- InterDriver™ Windows printer driver
- Intermec LabelShop® START label design and print package
- Intermec Printer Network Manager for administration of networked printers
- PrintSet for printer setup/configuration
Optional software for application development:
- Fingerprint ApplicationBuilder™ (IFAB)
- ERPLabel™ for mySAP™
- XML Label

Bar Code Symbologies
One-dimensional Codes: Codabar, Code 11, Code 39, Code 93, MSI(modified Plessey), Code 128, Code 128 Subset A-C, DUN-14/16, UPC/EAN Codes (EAN 8, EAN 13, UPC Version A, UPC Version E), EAN-128, EAN-128 Subset A-C*, Industrial 2 of 5, Interleaved 2 of 5, Interleaved 2 of 5 A, Matrix 2 of 5*, ISBT 128, Planet, Postnet, Straight 2 of 5*, UCC-128 Serial Shipping Container Code, RSS, HIBC Code 39 (IPL only), HIBC Code 128 (IPL only), JIS-ITF (IPL only)

2-dimensional Codes: Aztec, Code 16K, Code 49, Data Matrix, MaxiCode, PDF417, QR Code, MicroPDF417, EAN.UCC Composite

Standards Supported
UPC/EAN Shipping Container; UCC/EAN 128 Serial Shipping Container; MH10.8 Shipping Label; AIAG (shipping parts label); LOGMARS; POSTNET; HIBCC; ISBT 128; GM1724; UPS shipping label; Global Transport label

Characters Sets
Fingerprint/DP Firmware: 15 scalable fonts including 12 UNICODE (1 WGL4), 1 symbol, 1 OCR-A, 1 OCR-B. Font cache for maximum performance. Non-Latin fonts are available as options.
IPL Firmware: 13 scalable fonts + 20 bitmap fonts.

Graphics
Supports PCX file format

Memory
Standard: 4MB Flash memory
16MB SDRAM
1 Compact Flash slot
Maximum: Flash memory: Up to 16 MB (optional) 1GB Compact Flash memory

Protocol
Fingerprint/Direct Protocol: XON/XOFF, ENQ/ACK, DTR, RTS/CTS
IPL: XON/XOFF, Intermec Standard Protocol

Display
Back-lit LCD for 2x16 characters and 3 LED indicator lamps

Keypad Control Panel
- Advanced keypad (Fingerprint/DP)
- Alpha-numeric keypad (FP/DP option)
- Simplified keypad (IPL)

Power Supply
115/230VAC auto-switch w/PFC
Voltage Range: 90-265 VAC
Frequency Range: 45-65 Hz

Operating Environment
Temperature: +5° to +40°C (+40° to +104°F)
Humidity: 10-90% RH non-condensing

Regulatory Approvals
CE (EN55022 Class A), FCC Class A, UL, CSA, C-Tick

Options
Integral Self-Strip Unit with Liner Take-up, Label Taken Sensor (LTS), Compact Flash (CF) Memory, Flash and SDRAM SIMM, Various International Double Byte Fonts, EasySet Bar Code Wand*, Keyboard Converter*, Various Interface Boards, Real Time Clock, Media roll retainer, Fanfold Guide, Cutter

*Not applicable when using IPL firmware

In a continuing effort to improve our products, Intermec Technologies Corporation reserves the right to change specifications and features without prior notice.

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