

## Product profile

# PF4i

EasyCoder® Printer



- Superior throughput eliminates wait time at the printer
- Compact size for demanding applications where space is limited
- Supports stand-alone printer applications
- Easily adapts to changing host environments and applications
- Can emulate and replace competitive and older Intermec printers
- CompactFlash memory for quick and easy firmware, font, and memory upgrades
- Utilizes up to five interface ports simultaneously, including internal EasyLAN™ Ethernet or EasyLAN Wireless
- Magnetic QuickMount™ printhead for easy printhead installation
- User selectable printer language

The EasyCoder PF4i is designed to excel where space is limited. Utilizing the latest technology, it features a strong and proven mechanical platform, and powerful newly developed electronics.

The EasyCoder PF4i can act as a “smart client” executing user-defined programs. This means that your printer can eliminate the PC, operate additional hardware (e.g. scanners, other printers, conveyors), access information from the network, and has the ability to change with the application for additional functionality when needed. When using the EasyLAN Wireless option, any attached peripheral devices also become part of the wireless infrastructure.

Printer command languages do not restrict the EasyCoder PF4i. The PF series printers can emulate and replace competitive and older Intermec printers without requiring any changes to the host programming or label formats.

The EasyCoder PF series features optional integrated wired or wireless EasyLAN networking. The wireless interface uses an integrated standard 802.11b/g radio providing 128-bit WEP encryption of the information relayed through the network.

The magnetic QuickMount printhead eliminates hassles and downtime. The printhead is replaced quickly and easily with the magnet and u-brackets ensuring proper alignment. The double-clutching ribbon mechanism means that you are not restricted to ribbon types based on how they are wound. The handy, inexpensive and PC-compatible CompactFlash™ memory technology provides quick and easy memory expansion for extra storage of formats, graphics, fonts, and provides an easy way to update printer firmware.

The EasyCoder PF4i bar code printer is exceptionally fast in throughput and printing, reliable, and delivers very high print quality.

## Application

Direct Thermal and Thermal Transfer label, ticket and tag printer.

## Physical Characteristics

**LxHxW:** 405 x 178 x 244 mm  
(15.9 x 7.0 x 9.6 in)

**Weight:** 8 kg (17.7 lbs.)

## Print Specifications

**Max. Width:** 104 mm (4.09 in) at 203 dpi;

105.7 mm (4.16 in) at 300 dpi.

**Max. Length w/ std memory:** 2520 mm (99.2 in) at 203 dpi; 1092 mm (43.0 in) at 300 dpi.

**Max length w/ 16MB SDRAM:** 4095 mm (161.2 in) at 203 dpi; 2730 mm (107.5 in) at 300 dpi.

## Print Speed

Up to 76 labels per minute. 101x152mm (4x6 in) GM1724 label. To learn more, please visit [www.intermec.com/printspeed](http://www.intermec.com/printspeed).

## 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)\*

## Label/Ticket/Tag

**Max. Width:** 114.3 mm (4.5 in)

**Min. Width:** 25.4 mm (1 in)

**Thickness:** 2.5 to 8.7 mil

**Style:** Roll-fed, die-cut, continuous or fanfold labels, tags or tickets

**Label Roll max diameter:** 150 mm (6.0 in)

**Label Roll Core:** 38-76 mm (1.5-3 in)

**Media Type:** Thermally sensitive media

## Ribbon Roll

**Ribbon roll max diameter:** 65 mm (2.56 in) or approx. 300 m (980 ft) of ribbon

**Ribbon Roll Core:** 25 mm (1 in)

**Ribbon Type:** Wax, wax/resin, resin

## Interfaces

### Standard:

- RS-232, up to 115.2 kB/s
- USB 1.1
- Wand interface for EasySet™ System

### Optional:

- EasyLAN Wireless internal Ethernet
- EasyLAN 10/100BaseT internal Ethernet

### Optional interface card adapters:

- Parallel IEEE 1284
- Industrial Interface (8 digital in/out, 4 analog relays, 1 RS232/422/485 port)

## North America

### Corporate Headquarters

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## Internet

[www.intermec.com](http://www.intermec.com)  
Worldwide Locations:  
[www.intermec.com/locations](http://www.intermec.com/locations)

- 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
- 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 configuration

### Optional software for application development:

- Fingerprint ApplicationBuilder™
- Intermec Printer Application Server™
- ERPLabel™ for SAP™ R/3®.

## Bar Code Symbolologies

**Fingerprint/DP 1-dimensional:** Codabar, Code 11, Code 39, Code 39 full ASCII, Code 39 w. checksum, Code 93, Code 128, Code 128 Subset A-C, DUN-14/16, EAN-8, EAN-13, EAN-128, EAN-128 Subset A-C, Five-Character Supplemental Code, Industrial 2 of 5, Industrial 2 of 5 w. checksum, Interleaved 2 of 5, Intereaved 2 of 5 w. checksum, Interleaved 2 of 5 A, Matrix 2 of 5, Postnet, Straight 2 of 5, Two-Character Supplemental Code, UCC-128 Serial Shipping Container Code, UPC-5 digits Add-On Code, UPC-A, UPC-D1 to D5, UPC-E, UPC Shipping Container Code

**Fingerprint/DP 2-dimensional:** Code 16K, Code 49, Data Matrix, MaxiCode, MSI(modified Plessey), PDF 417, Plessey, QR Code, MicroPDF417

IPL 1-dimensional: Codabar, Code 11, Code 39, Code 93, Interleaved 2 of 5, Code 2 of 5, Code 128, UCC-128 Serial Shipping Container Code, UPC/EAN Codes(EAN 8, EAN 13, UPC Version A, UPC Version E), HIBC Code 39, Postnet, HIBC Code 128

**IPL 2-dimensional:** Code 16K, Code 49, PDF417, Maxicode, JIS-ITF, Data Matrix, QR Code, MicroPDF417

## Sales

Toll Free NA: (800) 934-3163  
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Freephone ROW: 00 800 4488 8844  
Toll ROW : +44 134 435 0296

## OEM Sales

Phone: (425) 348-2762

## Media Sales

Phone: (513) 874-5882

## Customer Service and Support

Toll Free NA: (800) 755-5505  
Toll in NA : (425) 356-1799

## 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

## Character Sets

**Fingerprint/DP:** 15 TrueDoc™ (scalable) fonts including 12 UNICODE (1 WGL4), 1 symbol, 1 OCR-A, 1 OCR-B. Font cache for maximum performance. ATF font support.

Non-Latin fonts are available as options.

**IPL:** 13 TrueDoc (scalable) fonts + 20 bitmap fonts.

## Graphics

Supports PCX file format.

## Memory

**Standard:** 4MB Flash memory

8MB SDRAM

1 Compact Flash slot

**Optional:** Flash memory: Up to 16MB totally. (8+8MB)

1GB CompactFlash memory

**SDRAM:** Up to 16MB totally

## Protocol

**Fingerprint/Direct Protocol:** XON/XOFF, ENQ/ACK, DTR, RTS/CTS

**IPL:** XON/XOFF, Intermec Std. Protocol

## Display

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

## Keypad Control Panel

- Full keypad control panel (Fingerprint/DP)
- Simplified keypad control panel (IPL)

## Power Supply

115/230VAC auto-switch w/PFC

**Voltage Range:** 100-240 VAC ±10%.

**Frequency Range:** 45-65 Hz

## Operating Environment

**Temperature:** +5° to +40°C (+40° to +104°F)

**Humidity:** 20-80% RH non-condensing

**Noise:** 50 dB (printing), no noise standby

## Regulatory Approvals

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

## Options

Integral Self-Strip Unit with Liner Takeup, Label Taken Sensor (LTS), CompactFlash (CF) Memory, Flash and SDRAM SIMM, Various International Double Byte Fonts\*, EasySet Bar Code Wand\*, External RS-232C Alphanumeric Keyboard\*, Parallel Interface Board, Additional Serial Interface Board\*, Industrial Interface Board\*, Real Time Clock, Media Supply Hub, Cutter

\*Not applicable when using IPL firmware

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