

Product Profile

- Superior throughput eliminates wait time at the printer
- Heavy-duty metal construction withstands harsh / rugged environments
- Compact size - for applications where the demands are high and 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
- Utilize up to five interface ports simultaneously, including internal EasyLAN™ Ethernet or EasyLAN Wireless
- Magnetic QuickMount™ printhead for easy printhead installation
- User selectable printer language



EasyCoder® PF4i / PF4ci PRINTER

The EasyCoder PF4i/PF4ci is an industrial printer designed to excel in demanding applications and environments where space is limited. Utilizing the latest technology, it features a strong and proven mechanical platform, and powerful newly developed electronics.

The EasyCoder PF4 series features two printer models. The light grey PF4i is suitable for clean environments, like light industry and healthcare, where a high-performance printer is required. The rugged dark metallic grey PF4ci "compact industrial" is built to last in demanding industrial applications.

The EasyCoder PF4i/PF4ci 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 retains the ability to change as needed with the application for additional functionality. 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/PF4ci. 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 radio providing 128-bit WEP encryption of the information relayed through the network. The EasyCoder PF series supports 802.1X EAP TLS security, ensuring secure printing and network infrastructures with equipment like access points, terminals, hand held computers, and printers.

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 an easy way to update printer firmware.

The EasyCoder PF4i/PF4ci 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: 40.5 x 17.8 x 24.4 cm
(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 about print speed, please visit 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 (One slot available + EasyLAN):

- EasyLAN Ethernet, internal 100/10BaseT
- EasyLAN Wireless, internal 802.11b Ethernet
- 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 Ethernet

Internal High Speed Ethernet . RJ-45 connector for 10baseT Ethernet or 100baseTX Fast Ethernet

EasyLAN Wireless

- Fully integrated IEEE 802.11b
- WEP 128 bit
- Supports IEEE 802.1x EAP / TTLS security
- 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 network connected printers
- PrintSet for printer configuration

Optional software for application development:

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

Bar Code Symbolologies

1-dimensional: Code 2 of 5, Codabar, Code 11, Code 39, Code 93, Code 128, Interleaved 2 of 5, Straight 2 of 5, Matrix 2 of 5, Postnet, Code One, UPC/EAN, JIS-ITF

2-dimensional: Code 16K, Code 49, DataMatrix, PDF417, QR Code, MicroPDF417, MaxiCode, Plessey, MSI

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: 15 TrueType™ fonts including 12 UNICODE (1 WGL4), 1 symbol, 1 OCR-A,

1 OCR-B. All fonts are scalable. Font cache for maximum performance. ATF font support.

IPL firmware: 3 TrueType fonts and 20 bitmap fonts.

Non-Latin fonts are available as options.

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)
- Reduced 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°- 40°C (+40°- 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), Compact Flash (CF) memory, Flash and SDRAM SIMM memory, 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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611307-02A 04/03

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