

Product profile

PF4i

Mid-Range 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 ethernet or wireless
- Magnetic QuickMount™ printhead for easy printhead installation
- User selectable printer language

The PF4i Mid-Range Printer 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 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 wireless option, any attached peripheral devices also become part of the wireless infrastructure.

Printer command languages do not restrict the 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 Intermec PF Printer Series features optional integrated wired or wireless 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 PF4i bar code printer is exceptionally fast in throughput and printing, reliable, and delivers very high print quality.

Intermec
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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.

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

Optional:

- 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
- Ethernet RJ-45 connector for 10/100

Wireless

- Fully integrated IEEE 802.11 b/g
- WEP 128 bit, 802.1x/ WPA/ LEAP/ PEAP
- Supports IEEE 802.1x 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
- PrintSet for printer configuration

Optional software for application development:

- Fingerprint ApplicationBuilder™
- ERPLabel™ for SAP™ R/3®
- XML Label for SAP AII and Oracle WMS

Device Management Support

- SmartSystems™
- Wavelink Avalanche™

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

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
16MB SDRAM
1 Compact Flash slot
Optional: Flash memory: Up to 16MB totally. (8+8MB)
1GB CompactFlash memory

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, Parallel Interface Board, Additional Serial Interface Board, Industrial Interface Board, Real Time Clock, Media Supply Hub, Cutter



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