PF2i

Mid-Range Printer

- **Strong, all-metal construction** and superior throughput for harsh industrial environments

- **Compact size** fits space-constrained applications

- **Smart Printing capabilities** support stand-alone printer applications, eliminating PC expense and complexity

- **All-in-one, user-selectable printer languages** – Fingerprint/Direct Protocol (DP), IPL, ZSim and DSim – in every printer

- **Secure wireless connectivity:** CCX and WiFi® certified with WPA2

- **Integrated Ethernet,** USB host and device, and serial interface standard

- **Internet Protocol v6** (IPv6) support

A member of the smartest bar code printer family on the market, the PF2i is flexible and programmable, enabling customers to optimize their printing operations, streamline deployment, and achieve quick return on investment. Built to meet the needs of mission-critical applications, the rugged PF2i delivers advanced, secure connectivity and the latest network protocols, ensuring peace-of-mind today and a reliable, scalable solution for the long haul. The compact PF2i Mid-Range Printer is part of Intermec's complete line of smart, strong and secure industrial printers.

Smart

The PF2i's smart design features support increased productivity in demanding environments. As a Smart Printer, the PF2i can host stand-alone applications, developed through Intermec Fingerprint programming language, that reduce errors and streamline operational processes. Smart Printers can eliminate the PC and control other devices directly (such as scanners, scales, applicators), improving efficiency and decreasing infrastructure costs and complexity.

The PF2i's integrated device management and diagnostic capabilities, provided through Intermec SmartSystems™ and Wavelink Avalanche™, reduce downtime and simplify deployment. With its user-selectable, all-in-one programming languages (Fingerprint,

IPL, ZSim, DSim), the PF2i fits existing IT infrastructures, deploying with drop-in simplicity to Intermec or mixed printer environments. Its secure, industry-standard connectivity options support easy integration and fast deployment.

Strong

Compact and rugged, the all-metal PF2i incorporates features that reduce downtime and minimize maintenance costs. Despite its small size, the PF2i can use a full size label roll (up to 8.4 in/213 mm), reducing the frequency of media changes.

Its enhanced self-strip option with unique tension control tooling delivers consistent performance across multiple media types. Replacing printheads is fast and easy, thanks to the magnetic QuickMount™ printhead design. The PF2i is co-engineered and tested with Intermec labels and other media products, ensuring optimized, superior performance when used with genuine Intermec media.

Secure

Multiple interface options are available, including the highest level of secure wireless connectivity (WPA2). The industry's only printers available with WiFi- and CCX-Certification, Intermec industrial printers help maintain wireless network integrity and reduce configuration time. Every printer ships with Ethernet

Intermec®
by Honeywell

connectivity, as well as with emerging network protocol IPv6, ensuring long-term, enterprise scalability. Other connectivity options – standard RS232 and USB ports, and optional parallel, double serial or industrial interfaces – provide additional integration flexibility.

The standard CompactFlash™ memory slot is complemented by new USB host and device support. Handy, inexpensive and PC-compatible, CompactFlash and USB memory technologies provide extra storage for Fingerprint programs, layouts, graphics*, fonts and firmware upgrades.

* Fingerprint only

Description
Direct thermal and thermal transfer label, ticket and tag printer.

Physical Characteristics
Length: 397 mm (15.6 in)
Height: 178 mm (7 in)
Height (big top): 205 mm (8.1 in)
Width: 194 mm (7.6 in)
Weight: 5.5 kg (12 lbs.)

Print Specifications
Max. Width: 56 mm (2.2 in)
Max. Length: 4095 mm (161.2 in)

Print Speed
100 – 200 mm/s (4 – 8 ips) variable

Print Resolution
8 dots/mm (203 dpi)

Media
Type: Labels & Tags
Max/ Min Width: 60/25.4 mm (2.36/1 in)
Thickness: 3.0 to 7.5 mil
Configuration: Roll-fed or fanfold
Sensing: Gap, notch, black mark, continuous
Label Roll Max Diameter (long door): 152.4 mm (6 in)
Label Roll Max Diameter (short door): 213 mm (8.38 in)
Label Roll Core: 38-76mm (1.5-3 in)

Type: Ribbons
Roll Max Diameter: 65 mm (2.56 in), approx. 225m
Core ID: 25.4 mm (1")
Type: Wax, mid-range, resin

Genuine Intermec Media: www.intermec.com/media

Interfaces
Standard:
• Ethernet 10/100 Mbps
• RS-232, up to 115.2 kB/s
Supported Serial Protocols:
• Fingerprint/Direct Protocol:
  XON/XOFF, ENQ/ACK, DTR, RTS/CTS
• IPL: XON/XOFF, Intermec Std. Protocol
• USB 2.0
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
Wireless:
• IEEE 802.11 b/g
• Wi-Fi Certified, CCX (Cisco®) version 3 Certified
• WEP, WPA, WPA2, 802.11x (EAP-
  TTLS, LEAP, PEAP, FAST), 802.11i
• Multiple industrial antenna options
  for maximized coverage
Supported Protocols:
TCP/IP-suite (TCP, UDP, ICMP, IGMP, etc.),
LPR/LPD, FTP, BOOTP, DHCP, HTTP, SNMPv3,
SMTP.SNMP-MIB II supported (over UDP/IP),
private enterprise MIB included
Supports IPv4 and IPv6

Software
Printer Command Languages:
• IPL
• Fingerprint/Direct Protocol
• ZSim (ZPL)
• DSim (DPL)
• XML enabled for SAP® All and Oracle® WMS
Applications / Drivers:
• InterDriver™ Windows printer driver
• Intermec label design and print package
• PrintSet for printer configuration
Development Software:
• Intermec Fingerprint Application Builder™ (IFAB)
Device Management Support:
• SmartSystems™
• Wavelink Avalanche™

Bar Code Symbologies
All major 1D and 2D symbologies are supported.

Fonts
Scalable fonts including CP1252
Font cache for maximum performance
Non-Latin fonts and legacy fonts available

Graphics
Supports PCX file format. (Fingerprint Only)
Other formats supported with Label Generation Tools

Memory
Standard: 16MB Flash memory, 32MB
SDRAM, 1 Compact Flash slot
Available: 1GB CompactFlash memory, multi-GB USB
memory device (FAT16/FAT32 USB drivers supported)

Keypad Control Panel
Interactive numeric keypad control panel

Power Supply
AC Voltage: 90 to 265 VAC, 45 to 65Hz
PFC Regulation: IEC 61000-3-2
Power Consumption: Standby 15W; Peak 300W

Operating Environment
Ambient Operating Temperature:
+5°C to +40°C (+41°F to +104°F)
Storage Temperature: -20°C to +70°C (-4°F to +152°F)
Humidity: 20 to 80% non-condensing

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

Options
Integral self-strip unit with liner takeup, Label Taken Sensor (LTS), Compact Flash (CF) memory, various international double byte fonts, alphanumeric keyboard*, parallel interface board, additional serial interface board*, industrial interface board*, applicator interface board*, real time clock, media supply hub, label low sensor

*Not applicable when using IPL firmware

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