

Intermec PM4i

Mid-Range Printer



Features

- *Strong, all-metal construction*
- *Smart Printing capabilities*
- *All-in-one, user-selectable printer languages*
- *Secure wireless connectivity*
- *Integrated Ethernet*
- *Internet Protocol v6*
- *Interchangeable print head*
- *RFID option*

A member of the smartest bar code printer family on the market, the PM4i 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 PM4i delivers advanced, secure connectivity and the latest network protocols, ensuring peace-of-mind today and a reliable, scalable solution for the long haul. The popular PM4i Mid-Range Printer is part of Intermec's complete line of smart, strong and secure industrial printers.

Smart

The PM4i's smart design features support increased productivity in demanding environments. As a Smart Printer, the PM4i 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 PM4i'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 PM4i 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

The rugged, all-metal PM4i incorporates features that reduce downtime and minimize maintenance costs. Its enhanced self-strip option delivers consistent performance across multiple media types. For precision labeling, its 406 dpi print head delivers exceptional, pinpoint accuracy. Replacing printheads is fast and easy, thanks to the magnetic QuickMount™ printhead design. The PM4i 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 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. The RFID-enabled PM4i enables companies to create RFID smart labels and drive the latest RFID applications.

Specifications

Description	Direct thermal and thermal transfer label, ticket and tag printer. Also available with RFID.
Physical Characteristics	
LxHxW	543 x 261 x 298mm (21.38 x10.28 x 11.73 in)
Weight	13.5 kg (29.76 lbs.)
Print Specifications	
Max. Print Width	104 mm (4.09 in) at 203 dpi and 406dpi; 105.7 mm (4.16 in) at 300 dpi.
Max. Length	4095 mm (161.2 in) at 203 dpi; 2730 mm (107.5 in) at 300 dpi. 1016 mm (40 in) at 406 dpi.
RFID Standards & Frequencies	Supports ISO 18000-6B and 18000-6C / EPC Class 1 Generation 2 865-928 MHz radio configured to comply with local UHF RFID regulations including FCC and ETSI.
Print Speed	100 - 200 mm/s (4 - 8 ips) variable (203 dpi) 100 - 150 mm/s (4 - 6 ips) variable (300/406 dpi)
Print Resolution	8 dots/mm (203 dpi) 11.8 dots/mm (300 dpi) 16 dots/mm (406 dpi)
Media	
Labels & Tags	Max/Min Width: 114.3 /25.4 mm (4.5 /1 in) Thickness: 2.5 to 8.7 mil Configuration: Roll-fed or fanfold Sensing: Gap, notch, black mark, continuous Label Roll Max Diameter: 213 mm (8.38 in) Label Roll Core: 38-76mm (1.5-3 in)
Ribbons	Roll Max Diameter: 82 mm (3.2 in), approx. 450m Core ID: 25.4 mm (1 in) Type: Wax, mid-range, resin
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) (RFID libraries included)
Device Management Support	SmartSystems™ Wavelink Avalanche™

Bar Code Symbolologies	All major 1D and 2D symbolologies are supported.
Standards Supported	UPC/EAN Shipping Container; UCC/EAN 128 Serial Shipping Container; MH10.8 Shipping Label; AIAG (shipping parts label); OGMARS; POSTNET; HIBCC; ISBT 128; GM1724; UPS shipping label; Global Transport label
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 graphic 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	RFID, 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, cutter, label low sensor
	*Not applicable when using IPL firmware