

## Product profile

# PM<sub>43</sub> PM<sub>43c</sub>

## Mid-Range Industrial Label Printers



PM43/PM43c mid-range industrial printers are ideal for a wide range of applications within the distribution center/warehouse and manufacturing environments.

### **Ready – Fastest to deploy. Seamlessly fits any environment.**

- Large color multi-lingual tamper proof touch-screen or icon user interface
- No touch configuration capabilities
- Only CCX & WiFi certified fixed printers with standard IPv6 implementation

### **Reliable – Maximize uptime. Built from 40 years of printing innovations. 3rd generation platform.**

- Precision Print for consistent bar code printing with pin point accuracy
- Multilingual Web page loaded on every printer ensure easy device monitoring
- Strong metal structure with metal door that can be locked for media protection

### **Perform – Increase productivity and process efficiencies. Simple to use.**

- Fastest throughput in its class
- Powerful programmable capability with ability to directly connect peripherals
- Most connectivity options in the market

The Intermec PM43 and more compact PM43c mid-range industrial label printers deliver fast, drop-in deployment, advanced connectivity and proven reliability to maximize uptime.

#### **Ready**

PM43/PM43c are ready to deliver maximum uptime. Both models are available with either a tamper-proof color touch-screen in 10 languages or a universal icon interface. Reduce your total workforce training and device support needs with immediate notifications via the printer and the elimination of reconfiguration due to UI tampering.

Experience the fastest deployment time in the market with Intermec's innovative 'No-Touch' configuration via an optional embedded RFID chip. This patented capability means PM43/PM43c can be programmed without having to open the printer box or power it up, translating into significant savings for you.

As the industry's only printers available with WiFi- and CCX-Certification with additional BT connectivity, PM43 and PM43c help maintain wireless network integrity. Every printer ships with Ethernet connectivity, as well as with network protocol IPv6, ensuring long-term, enterprise scalability.

#### **Reliable**

As the 3rd generation of Intermec industrial printers, the rugged PM43/PM43c incorporate features that increase uptime and reduce maintenance costs. Strong all-metal construction is perfect for harsh industrial environments and the metal media door with innovative latch system ensures media is protected.

Increase efficiencies through the prevention of frequent media adjustments with Precision Print. Now you can print small barcodes, text and images with pinpoint accuracy – every time.

Device monitoring has never been easier. Every PM43/PM43c has a web page loaded in the printer that allows for easy setup, monitoring and configuration through handheld devices like Intermec's hand held computers, tablets or smart phones. Integrated device management and diagnostic capabilities, provided through Intermec SmartSystems™ and Wavelink Avalanche™, reduce downtime and simplify deployment.

#### **Perform**

PM43/PM43c are ready to perform. With the Fastest Print Speed in its class of 12ips, you'll gain a clear productivity advantage. PM43/PM43c are the smartest printers around helping to reduce labeling errors and increase process efficiencies. Printer stand-alone applications, developed through the embedded programming language, directly control other devices such as Scanners, Scales, keyboards and other peripherals helping you decrease infrastructure costs and complexity.

With its user-selectable, all-in-one programming languages, PM43/PM43c fit IT infrastructures, deploying with drop-in simplicity to Intermec or mixed printer environments.

PM43/PM43c are co-engineered and tested with Intermec Media Products, ensuring optimized printhead performance when used with genuine Intermec media.

#### **Intermec Lifecycle Services – Delivering Business Continuity**

Intermec lifecycle services provide customers and partners with best-in-class support, education, managed and advanced services. For your support plan needs, our Intermec Medallion® Services programs deliver the highest levels of productivity, device reliability, and uptime. The Medallion® Complete support package covers hardware failure, general wear and tear and accidental damage. Find out more about Intermec's lifecycle services solutions at <http://www.intermec.com/services>

## Description

Industrial Mid Range, Direct Thermal and Thermal Transfer label, ticket and tag printer. Also available with RFID.

## Physical Characteristics

**PM43:** LxHxW: 483.54 x 294.61 x 284.2 mm (19.04 x 11.6 x 11.19 in)

**Weight:** 15.82 kg (34.88 lbs.)

**PM43C:** LxHxW: 431.84 x 181 x 252.5 mm (17 x 7.13 x 9.94 in)

**Weight:** 12.5 kg (27.65 lbs.)

## PM43C with Dome Door:

**LXHXW:** 500.22 x 244.87 x 252.5 mm (19.04 x 9.64 x 9.94 in)

**Weight:** 12.71Kg (28.02 lbs.)

## Print Specifications

**Max. Width with 203dpi:** 108 mm (4.25 in)

**Max. Width with 300 dpi:** 106 mm (4.17 in)

**Max. Width with 406 dpi:** 104 mm (4.09 in)

**Max. Length:** 4.8m (191 in) at 203 dpi; 1.2m (48 in) at 406 dpi

## RFID Standards & Frequencies

18000-6C/EPC Class 1 Generation 2

865-928 MHz radio configured to comply with local UHF RFID regulations including FCC and ETSI. Contact local representative for availability in particular regions.

## Print Speed

100 – 300 mm/s (4 – 12 ips) variable (203/300 dpi)

100 – 250 mm/s (4 – 10 ips) variable (406 dpi)

## Print Resolution

8 dots/mm (203 dpi)

11.8 dots/mm (300 dpi)

16 dots/mm (406 dpi)

## Media

**Type:** Labels and Tags, Linerless and Lined media

**Max/Min Width:** 114.3/19.05 mm (4.5/0.75 in)

**Thickness:** 3 to 10.4 mil

**Configuration:** Roll-fed or fanfold

**Sensing:** Gap, notch, black mark, continuous

**Label Roll Max Diameter:** 212.75 mm (8.375 in)

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

**Type:** Ribbons

**Roll Max Diameter:** 80 mm (3.15 in), approx. 450m

**Core ID:** 25.4 mm (1 in)

**Type:** Wax, mid-range, resin

**Genuine Intermec Media:** [www.intermec.com/media](http://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, DSR/DTR, RTS/CTS
- IPL: XON/XOFF, Intermec Std. Protocol
- USB 2.0
- USB Host/Boot (X1 on PM43C, X2 on PM43)

## Optional:

- Parallel IEEE 1284
- Industrial Interface (8 digital in/out, 4 analog relays, 1RS232/422/485 port)
- Dual Serial ports RS-232, RS-422, RS-485 and 20mA Current Loop
- Dual USB Host/Boot

## Wireless:

- IEEE 802.11 b/g/n + Bluetooth
- Wi-Fi Certified, CCX (Cisco®) version 4 Certified
- Static WEP (64 bit and 128 bit), Dynamic WEP (TLS, TTLS, PEAP, LEAP, EAP-FAST), WPA (THIP/CCKM Personal and Enterprise, WPA2 (AES-CCMP/CCKM Personal and Enterprise)
- Multiple industrial antenna options for maximized coverage

## Supported Protocols:

- TCP/IP-suite (TCP, UDP, ICMP, IGMP, etc.), LPR/LPD, FTP, BOOTP, DHCP, HTTP, SNMPv1/2c/3, (SMTP.SNMP-MIBI supported – over UDP/IP – private enterprise MIB included)
- Supports IPv4 and IPv6
- No touch configuration capability through imbedded RFID chip

## Software

### Printer Command Languages:

- IPL
- Fingerprint/Direct Protocol
- ZSim (ZPL)
- DSim (DPL)
- Web Page configuration interface
- 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

Monotype font engine

Non-Latin fonts available through WTLE

## Graphics

Supports PCX, PNG, GIF and BMP file formats.

Other formats supported with Label Generation Tools.

## Memory

**Standard:** 128MB Flash memory, 128MB SDRAM, Multi-GB USB memory device (FAT16/FAT32 USB drivers supported)

## User Interface

Color touch User Interface

Icon User Interface

## User Interface Languages

Color Touch interface and Web Page support English, Russian, German, French, Portuguese, Spanish, Italian, Korean, Simplified and Traditional Chinese

## Power Supply

**AC Voltage:** 100 to 240 VAC, 45 to 65Hz

**PFC Regulation:** IEC320/C14

**Power Consumption:** Standby 9W; 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

RoHS compliant, CE (EN55022 Class A), FCC Class A, UL/cUL, C-Tick, Energy STAR certified, D Mark and CCC

## Options and Accessories

RFID UHF, integral self-strip unit with liner takeup, Label Taken Sensor (LTS), Full Batch Label/Liner Rewinder, parallel interface board, additional serial interface boards\*, industrial interface boards\*, real time clock, media supply hub, Collapsible Ribbon corecutter, Media low sensor, Linerless

*\* Not applicable when using IPL firmware*

## Asia Pacific Headquarters Office

### Singapore

Intermec Technologies (S) Pte Ltd  
151, Lorong Chuan,  
#05-02A/03 (Lobby C),  
New Tech Park,  
Singapore 556741  
Tel : +65 6303 2100  
Fax: +65 6303 2199  
[www.intermec.com.sg](http://www.intermec.com.sg)

### Malaysia

Suite L-8-11, Level-8, Wisma BU8,  
No 11, Lebuhr Bandar Utama, PJU 6,  
Petaling Jaya, 47800, Selangor,  
Malaysia  
Tel : +603 7726 8730  
Fax: +603 7727 8731

### Thailand

Two Pacific Place, Unit 1105,  
142 Sukhumvit Road,  
Klongtoey, Bangkok 10110,  
Thailand  
Tel : +662 653 2750  
Fax: +662 653 2751

### Australia

Intermec Technologies Australia Pty. Ltd.  
Level 4, 1-3 Atchison Street,  
St. Leonards,  
NSW 2065,  
Australia  
Tel : +61 2 9330 4400  
Fax: +61 2 9437 0240  
[www.intermec.com.au](http://www.intermec.com.au)

### Korea

Hong-Eun B/D Room 902,  
824-22, Yeoksam-dong, Gangnam-gu,  
Seoul 135-934, Korea  
Tel : +82 2 552 2484  
Fax: +82 2 552 2483  
[www.intermec.co.kr](http://www.intermec.co.kr)

### Hong Kong

Rm 3601 11/F, AXA Centre,  
151 Gloucester Road,  
Wanchai,  
Hong Kong  
Tel : 852.3752 1906  
Fax: 852.3013 9401

### China

#### Beijing

1510A, 15th floor, South Tower,  
Raycom Infotech Park C,  
No.2 Science Institute South Road,  
Beijing, 100190,  
P.R. China  
Tel : +86 10 5165 5922  
Fax: +86 10 6583 4408

#### Shanghai

Unit B3, Floor 28, JuneYao International Plaza,  
No.789 Zhaojiangbang Rd,  
Shanghai, 200032,  
P.R. China  
Tel : +86 21.6278 1090  
Fax: +86 21.6278 1081

#### Shenzhen

Unit 1308, International Chamber of Commerce  
Tower, Fu Hua Third Road, Fu Tian Central District,  
Shenzhen 518048,  
P.R. China  
Tel : +86 755.8831 2391  
Fax: +86 755.8831 2396

China Toll Free: 400 6100 277  
[www.intermec.com.cn](http://www.intermec.com.cn)



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