PM43
PM43c

Mid-Range Industrial Label Printers

PM Series mid-range industrial printers are ideal for a wide range of applications within the distribution center, warehouse and manufacturing environments.

Ready – Fastest to deploy.
- Large color multi-lingual tamper proof touch-screen or icon user interface
- "No-touch" configuration capabilities
- Only CCX and WiFi certified fixed printers with standard IPv6 implementation

Reliable – Maximize uptime. Built from 40 years of printing innovations.
- Precision Print for consistent bar code printing with pin point accuracy
- Built-in multilingual web interface on every printer ensures easy device monitoring
- Strong metal structure with lockable metal door for media protection

Perform – Increase productivity and process efficiencies.
- Fastest throughput in its class
- Run sophisticated apps right in the printer with industry-leading Intermec Smart Printing supporting C#
- 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
Built to deliver maximum uptime, PM Series printers are available with either a tamper-proof color touchscreen in ten languages, or a universal icon interface. Reduce your 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 and an optional embedded RFID chip. This patented capability allows the printer to be programmed without having to open the box or power it up, translating into speedier installations.

As the industry's only printers available with WiFi- and CCX-Certification with additional Bluetooth® connectivity, maintaining wireless network integrity is easy. Every printer ships with Ethernet connectivity, as well as network protocol IPv6, ensuring long-term enterprise scalability.

Reliable
As the third generation of Intermec industrial printers, the rugged PM Series 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. Small bar codes, text and images can be printed with pinpoint accuracy—every time.

Device monitoring has never been easier. Every PM43/PM43c has integrated web interface that allows for easy setup, monitoring and configuration through devices like handheld computers, tablets or smartphones. Integrated device management and diagnostic capabilities, provided through Intermec SmartSystems™ and Wavelink Avalanche™, reduce downtime and simplify deployment.

Perform
With the top print speed in its class at 12 ips, you'll gain a clear productivity advantage. But performance isn't about just speed; it's also about working smarter. PM Series printers are intelligent, helping you to reduce labeling errors and increase process efficiencies. In-printer apps, developed with Intermec C# for Printers, can directly control other devices such as scanners, scales, keyboard and other peripherals—without the need for an attached computer.

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

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

Intermec®

Intermec Lifecycle Services – Delivering Business Continuity

Intermec Global Services provides customers and partners with best-in-class support and advanced services. Intermec Medallion® Services deliver the highest levels of productivity, device reliability, and uptime.

Description
Industrial mid-range, direct thermal and thermal transfer label, ticket and tag printer. Also available with RFID.

Physical Characteristics
PM43: LxHxW: 483 x 295 x 284 mm (19.0 x 11.6 x 11.2 in)
Weight: 15.82 kg (34.88 lbs.)
PM43C: LxHxW: 431 x 181 x 253 mm (17.0 x 7.1 x 9.9 in)
Weight: 12.5 kg (27.65 lbs.)
PM43C with Dome Door: LxHxW: 500 x 245 x 253 mm (19.0 x 9.6 x 9.9 in)
Weight: 12.71 kg (28.02 lbs.)

Print Specifications
Max. Width at 203dpi: 108 mm (4.25 in)
Max. Width at 300 dpi: 106 mm (4.17 in)
Max. Width at 406 dpi: 104 mm (4.09 in)
Max. Length at 203 dpi: 4.8 m (15.75 ft)
Max. Length at 406 dpi: 1.2m (3.94 ft)

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
At 203/300 dpi: 100-300 mm/s (4-12 ips)
At 406 dpi: 100-250 mm/s (4-10 ips)

Print Resolution
At 203 dpi: 8 dots/mm
At 300 dpi: 11.8 dots/mm
At 406 dpi: 16 dots/mm

Media
Type: Labels and Tags, Linerless and Linered media
Max/Min Width: 114/19 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: 213 mm (8.38 in)
Label Roll Core: 38-76 mm (1.5-3 in)
Type: Ribbons
Roll Max. Diameter: 80 mm (3.15 in), approx. 450 m
Core ID: 25 mm (1 in)
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, 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, 1 RS232/422/485 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), LPR/LPD, FTP, BOOTP, DHCP, HTTP, SNMPv1/2c/3, (SMTP. SNMP-MIBII supported – over UDP/IP – private enterprise MIB included)
- Supports IPv4 and IPv6
- "No-touch" configuration capability through embedded RFID chip

Software
Printer Command Languages:
- C# for Printers
- IPL
- Direct Protocol
- ZSim (ZPL)
- DSim (DPL)
- XML enabled for SAP® AII and Oracle® WMS

Applications / Drivers:
- InterDriver™ Windows printer driver
- Intermec Certified Device Types for SAP®
- Intermec label design and print package

Smart Printing Languages:
- C# for Printers
  - Smart Printing Developer Resource Kit
  - Write apps with .NET-compatible development environments
- Intermec Fingerprint
  - Use Intermec Fingerprint ApplicationBuilder (IFAB)

Configuration & Device Management Support:
- PrintSet for printer configuration
- SmartSystems™
- Sophisticated web interface for configuration, upgrade and 1:1 management
- Wavelink Avalanche™

Bar Code Symbologies
All major 1D and 2D symbologies 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)

User Interface
Color Touch User Interface
Icon User Interface

User Interface Languages
On Color Touch LCD and Web Interface: 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, D Mark and CCC

Options and Accessories
Consult the PC Series Accessory Guide for full details: 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 core cutter, media low sensor, linerless.

*Not applicable when using IPL firmware