Product profile

PC23d PC43d PC43t

Desktop Printers

The PC23/43 family is a purpose-built platform with innovative design guided from customer input. Tailored designs include transportation/courier, healthcare, retail and hospitality markets, as well as small and medium business manufacturing, warehouse and office environments.

Intuitive – Super Easy to Install & Use

- 10-language LCD or Icon graphics user interface maximizes uptime
- One hand media loading for trouble-free use
- Fastest throughput in its class at 8 ips
- Quick configuration with USB stick device

Flexible – Fits your business needs today & tomorrow

- User installable connectivity upgrades and accessories for scalability
- Leading command languages for seamless deployment
- Modular IT-friendly design speeds up deployment and support

Smart – Keeps you informed & productive

- Remote status updates with Intermec tools minimize downtime
- Programmable with ability to directly add keyboard or scale improves efficiency

Designed to set a new standard in user friendliness and flexibility, the compact Intermec PC23/PC43 provides an intuitive label printing solution. Available in 2" wide direct thermal (PC23d) and 4" direct thermal (PC43d) or 4" thermal transfer (PC43t), the PC series is perfect for space-constrained settings. Its low cost and fast operation make the PC series the smart choice for light duty labeling applications where users need reliable, easy to use printers.

Super Easy to install and use

Ideal for customers who are new to label printing or who are making the switch from laser or inkjet printers, the easy-to-use PC23 and PC43 desktop printers feature a double-wall clamshell construction for long term durability.

The PC series was designed by users for quick set-up and trouble-free use. With the most placement options including wall mount and battery power, the printer adapts to its environment and fits right in. No longer are users required to decode a blinking LED to determine printer status. The PC series comes with either a universal Icon interface or color LCD in 10 languages for immediate notifications reducing training and support needs. Configure and update the PC printer on the spot with USB host port – no computer necessary. One-hand drop-in media loading (and reloading) makes it highly intuitive. Best of all,the disinfectant resistant case means it's made to last in your environment.

The PC43t thermal transfer printer takes both a half-inch or one-inch ribbon core in every printer. The one-inch core accommodates the largest ribbon roll (up to 11,811 inches / 300m) in a desktop printer reducing the need for frequent replacements helping to maximize uptime.

Off-the-shelf compatibility and certifications with a wide range of business and healthcare software applications enables users to be up and running quickly, requiring minimal IT support.

With a fast throughput at 8 ips, you can count on the PC series to deliver a productivity advantage for your labeling needs.

From a migration standpoint, the compact size, common media specifications, and multi-printer language platform of the PC series results in an easy path from legacy Intermec printers such as the PC4, PC41 and PF8, as well as from other desktop printers.

Intermec®

Fits your business needs today and tomorrow

No other desktop barcode printer offers more user-installable options ensuring your printer will grow as your business grows. Modular connectivity ensures the PC series will fit into your existing network environment. USB comes standard along with optional, user installable serial, parallel, secure Ethernet and dual wireless card with Bluetooth® and CCX-compliant 802.11 b/g/n.

The ability to use any Intermec printer language and emulate other non-Intermec printer protocols makes the PC series a cost-effective "drop-in" printer replacement in almost any environment. There's no need to replace the printer if you upgrade your software environment – the printer will easily adapt. The PC series keeps your options open protecting your investment for the long term.

Leveraging the Intermec platform provides a solution that can adapt and grow as needs change – even upgrade seamlessly to Intermec industrial printers. This integrated approach provides significant efficiencies in development, deployment and support. The PC desktop printer series can host stand-alone applications developed through Intermec Fingerprint programming to address custom requirements today or in the future, without the need to upgrade hardware.

Keeps you informed and productive

The PC series offers many Smart features normally found only in industrial grade printers. By adding Intermec's SmartSystems® and XMLLabel™, the PC series will be fully provisioned for remote management and XML printing environments. Furthermore Intermec SmartSystems provides remote monitoring and diagnostics to networked devices for quick maintenance, and upgrades. Support for Monotype fonts come standard helping to speed up configuration – all at an affordable and competitive price.

Intermec Delivers: Mobility Lifecycle Solutions & Services

Intermec provides customers and partners with best-in-class support, education, managed and advanced services. We deliver business optimization throughout the product lifecycle.

To protect your printer investment, **Intermec Medallion®** Support Services deliver the highest levels of productivity, device reliability, and uptime. With Medallion support, you can choose from either the Complete or Standard programs to get the amount of coverage and protection you need for your environment. For more information about Intermec's lifecycle solutions and services, please visit us at http://www.intermec.com/services

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Physical Description
The compact PC series includes both Direct Thermal (PC23d & PC43d) or Thermal Transfer (PC43t) printers designed for self-adhesive labels, nonadhesive tags, linerless, floodcoat, or continuous paper strip roll.

Specifications by Model

Model	Overall Printer size (With hinge and latch)			
	Height	Width	Depth	Weight
PC43d 4" DT Icon/LCD	167 mm (6.6 in)	180 mm (7.1 in)	215 mm (8.4 in)	1.72 kg (3.80 lbs)
PC43t 4" TTR Icon/LCD	182 mm (7.2 in) 227 mm (8.9 in)	210 mm (8.3 in)	281 mm (11.1 in)	2.70 kg (5.95 lbs)
PC23d 2" DT Icon/LCD	177 mm (6.9 in)	125 mm (4.9 in)	215 mm (8.5 in)	1.45 kg (3.20 lbs)

Print 203 dpi and 300 dpi standard
Real-time Clock: Standard (LCD)
Adjustable Gap Sensor (LCD)

Print Specifications
Maximum Label Width:
PC43: 118 mm (4.7 in); **PC23d:** 60 mm (2.4 in)
Maximum Label Length:
Standard: 203 dpi – 1727 mm (68 in)
300 dpi – 900 mm (35 in)
Print Direction: Prints text, bar codes and graphics in all four directions
Print Resolution: 8 dots/mm (203 dpi) or 12 dots/mm (300 dpi)
Print Width:
PC43: 203 dpi - max. 104 mm (4.1 in);
300 dpi - max. 106 mm (4.2 in)
PC23d: 203 dpi – max. 56 mm (2.2 in);
300 dpi – max. 54 mm (2.1 in)
Printing Speed:
Selectable up to 8 ips (203.2 mm/sec) for 203 dpi;
6 ips (152.4 mm/sec) for 300dpi

Media Specifications
Label Roll –
Maximum Diameter: 127 mm (5 in)
Core Diameter: Min. 25.4 mm (1 in)
Max. 38.1 mm (1.5 in)
Paper Width:
PC43: Max. 118 mm (4.7 in), Min. 19 mm (0.8 in)
PC23d: Max 60 mm (2.4 in), Min 15 mm (0.6 in)
Label Length: Min. 6 mm (0.3 in)
Labels: A wide selection of stock and custom size labels are available from Intermec Media.
Ribbon Roll – PC43t accepts both 0.5" or 1.0" core
Core: 0.5" ID (12.7mm ID) or 1.0" ID (26 mm ID) with notches
Min width: 1.0" – ribbon only
Max width: 4.3"
Max. length:
0.5": 3,588 in (91.1 m)
1.0": 11,811 in (300 m)
Ribbons: A wide selection of widths and formulations available.
Connect to Print™
The printer comes with all included: software, drivers, USB cable, power adapter, power cord, and a handy QuickGuide to facilitate getting started, and a PrinterCompanion CD with label design program, Windows™ driver, configuration software and documentation.

Software
Printer Command Languages:
IPL, Fingerprint, ZSim (ZPLII Simulation), ESim (EPL2 Simulation), DSim (DPL Simulation), XML enabled for SAP® AII and Oracle® WMS
Applications/Drivers:
Interdriver™ Windows Printer Driver
Intermec Label design and print package
PrintSet for printer configuration, font and firmware downloading tool

Character Sets/Fonts
Printing
Standard: Monotype English and Latin, World Type Layout Engine (WTLE), Cyrillic, Latin, Greek, Turkish, Hebrew, Arabic, Baltic, Baltic RIM, Vietnamese, Thai). Universal Font Scaling Technology (UFST) and Standard Latin Fonts: Monotype Century Schoolbook, CG Times, CG Times Bold, Letter Gothic, Andale Mono (WGL4), Andale Mono Bold (WGL4), Univers 55, Univers Bold 65, Univers Condensed Bold, Univers Extra Condensed, OCR-A, OCR-B.
Optional: Downloading of additional fonts is also possible.
LCD Display Language
Standard: English, French, German, Italian, Portuguese, Russian, Spanish
Optional: Simplified Chinese, Traditional Chinese, Korean

Graphics
Supports user-defined fonts and graphic formats including BMP, GIF, PCX, and PNG.

Bar Code Symbologies
All major 1-dimensional bar code symbologies are available, plus 2-dimensional and composite codes: Aztec, Code 16K, Code 49, Data Matrix, Dot Code, EAN-8, EAN-13, EAN.UCC 128, Grid Matrix, HIBC 39, HIBC 128, MaxiCode, MSI (modified Plessey), PDF417, Micro PDF417, Planet, Plessey, Postnet, QR-Code, RSS-14 (variations)

Environment (printing): +5° to +40°C (+40° to +104°F)
Humidity (printing): 10–80% RH non-condensing
Materials: Disinfectant resistant plastic (PC23d, PC43d)
PC23d & PC43d case will not be damaged when cleaned with the following chemicals:
The following is a list of chemical disinfectants and cleaning solutions that have been successfully tested on the PC23d and PC43d. Cleaning these printers by using a wipe or cloth dampened by any of the disinfectants or cleaning solutions below will not cause damage to the printer case or media window.

Chemical Disinfectants	Brand
Viraguard®	Veridien
Sodium Hypochlorite 6%	Multiple suppliers
Ammonium Chloride 10%	Multiple suppliers
SANI-CLOTH HB	PDI
SANI-CLOTH PLUS	PDI
SUPER SANI-CLOTH	PDI
Cavi Wipes	Metrex
Super HDQL 10	Spartan
Cloro-Wipe Towelette	Surgipath
Virex	Johnson
70% Isopropyl Alcohol	Multiple suppliers
Alcohol Prep Pads	PDI, others
Ethylene Glycol	Multiple Suppliers

Cleaners	Brand
Screen Cleaner	Multiple Suppliers
Tuffie Wipes	Vernacare

Power Adapter
Separate power supply –
Input: 100–240 V AC/50–60 Hz, 1.5 A
Output: 24 V DC, 2.5 A
Energy Star Compliant

Memory
Standard: 128 MB Flash, 128 MB RAM (DDR2)
Optional: Up to 32 GB via user USB thumbdrive

Interface
Standard: USB Device Type B connector v.2.0 high speed, USB Host Type A connector v.2.0 high speed
Field Installable: Ethernet 10/100 Mbps module, Dual radio module (802.11 b/g/n and Bluetooth® V2.1), USB to Serial adapter (RS-232), USB to Parallel adapter

Protocol
Serial Flow Control: XON/XOFF, RTS/CTS
Wireless Prototocol: WEP static (64/128bits), WPA, WPA2, WEP dynamic, EAP-PEAP, EAP-TTLS, LEAP, EAP-FAST, EAP-TLS, CCX compliant level 3.

Regulatory Approvals
CE, FCC Class A, cULus, UL, GS, TUVGS, BSMI, D Mark, cUL, CCC (China), KCC (South Korea), C-TICK (Australia/NZ)

Factory Installed Options
HF RFID (PC23d), UHF RFID (PC43)

User Installable Accessories/Upgrades
Dispenser with LTS, Cutter Unit with LTS (PC43d & PC43t) user settable partial or full cut, Front Label Tray (PC43d & PC43t), 300 dpi, Battery Unit (PC43d), Linerless (PC43d & PC43t), Power Adapter Tray (PC43d), Printer Case Lock

Service
No tools required to replace printhead and platen roller, user accessible odometer

User Interface
Choice of:
- 2.36" VGA LCD 480 x 234 resolution in 10 languages, 8 buttons and ready-to-work LED
- Graphical back-lit Icons (cover open, paper out, ribbon out (PC43t), general error, maintenance, pause, thermal printhead too hot, data status, wireless status (if installed), Bluetooth® status (if installed), ready-to-work LED and one Print/Feed button
- User configurable audio sounds with volume levels.

Safety Approvals
North America: UL and cUL Listed, UL 60950-1
Europe: D Mark, EN 60950-1; CE marked
Mexico: NYCE Certified, NOM 19
Other Countries: IEC 60950-1

EMC Approvals
USA FCC Title 47, Part 15, Subpart A, Class B; Europe EMC Directive (EN55022 Class B + EN55024) ; CISPR22

Warranty
One year; additional Medallion service packages available

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