

PC SERIES

Desktop Printers

Designed for user-friendliness and flexibility, compact PC Series desktop printers provide an intuitive label printing solution. Available in two-inch wide direct thermal (PC23d), four-inch wide direct thermal (PC43d) or four-inch wide thermal transfer (PC43t) models, PC Series printers are perfect for space-constrained settings. Their low cost and fast operation make them the smart choice for light-duty labeling applications where users need reliable, easy-to-use printers.



Featuring innovative designs guided by customer input, PC Series printers are optimized for healthcare, retail and hospitality markets – as well as light-duty manufacturing, warehousing and general office duties.

PC Series printers were designed for quick set-up and trouble-free use. With a variety of placement options including wall-mounted and battery-powered, these printers adapt to their environment and fit right in. Common printer tasks are simple and training needs are reduced, because PC Series printers come with either a universal icon interface or color LCD in 10 languages. It's even possible to configure and update your printer on the spot, using a USB thumbdrive – no computer necessary.

The PC43t thermal transfer printer supports both 12.7 mm (0.5 in) and 25.4 mm (1 in) ribbon cores. By accommodating larger ribbon lengths of up to 300 m (984 ft), the need for frequent media supply replenishment is reduced, eliminating downtime and hassle.

Considering the switch to the PC Series from another printer brand? With comprehensive command language support – including ZSim2, our fast, friendly and complete ZPL-II emulation – upgrading to the PC Series has never been simpler.

With a wide variety of user-installable options, you can rest assured PC Series printers can grow as your business grows. Modular connectivity allows PC Series printers to fit into your existing network environment. USB comes standard along with options for user-installable serial, parallel, secure Ethernet and dual wireless card with Bluetooth® and CCX-compliant 802.11 b/g/n.

FEATURES AND BENEFITS



Ten-language LCD or intuitive icon graphical user interface.



Simple to use and maintain, with easy one-handed media reloading.



Comprehensive printer command language support, including ZSim2, makes upgrading easy.



Flexible, with user-installable connectivity upgrades and accessories.



This Smart Printer runs apps right inside the printer; you can add keyboards, scanners or other USB peripherals for increased efficiency.

Honeywell

PC Series Technical Specifications

PHYSICAL DESCRIPTION

The compact PC Series includes both direct thermal (PC23d and PC43d) or thermal transfer (PC43t) printers designed for self-adhesive labels, non-adhesive tags, linerless, floodcoat or continuous paper strip roll.

SPECIFICATIONS BY MODEL

MODEL	OVERALL PRINTER SIZE (WITH HINGE AND LATCH)			
	HEIGHT	WIDTH	DEPTH	WEIGHT
PC43D	167 mm (6.6 in)	180 mm (7.1 in)	215 mm (8.4 in)	1.72 kg (3.8 lb)
PC43T	182 mm (7.2 in)	227 mm (8.9 in)	281 mm (11.1 in)	2.7 kg (5.9 lb)
PC23D	177 mm (6.9 in)	125 mm (4.9 in)	215 mm (8.5 in)	1.45 kg (3.2 lb)

Real-Time Clock: Standard (LCD)

Adjustable Gap Sensor: Standard (LCD)

PRINT SPECIFICATIONS

Maximum Label Width:

PC43: 118 mm (4.65 in)

PC23d: 60 mm (2.36 in)

Maximum Label Length:

Standard: 203 dpi – 1727 mm (68 in);
300 dpi – 900 mm (35 in)

Print Direction: Prints text, barcodes 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 300 dpi

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 (0.75 in)

PC23d: Max. 60 mm (2.36 in); Min. 15
mm (0.59 in)

Label Length: Min. 6.35 mm (0.25 in)

Labels: A wide selection of stock and custom size labels are available from Honeywell Media.

Ribbon Roll: PC43t accepts both 12.7 mm (0.5 in) and 25.4 mm (1.0 in) core

Core: 12.7 mm ID (0.5 in ID) or 25.4 mm ID (1.0 in ID)

Min Width: 25.4 mm (1.0 in) – ribbon only, core width must be 111 mm (4.37 in)

Max Width: 110 mm (4.3 in)

Max. Length: 12.7 mm (0.5 in): 91 m (299 ft); 25.4 mm (1.0 in): 300 m (984 ft)

Thickness (Includes Liner): 0.06 mm (0.003 in) to 0.15 mm (0.006 in); optional thick media spring kit for media up to 0.20 mm (0.008 in)

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, a handy QuickGuide to facilitate getting started, a PrinterCompanion CD with label design program, Windows® driver, configuration software and documentation

Communications: 802.11 b/g

SOFTWARE

Printer Command Languages:

IPL, DP, ZSim2 (ZPL-II), DSim (DPL), ESim (EPL)

XML enabled for SAP® All and Oracle® WMS

Applications/Drivers:

InterDriver Windows printer driver

CUPS driver for Linux

Honeywell Device Types for SAP

Honeywell label design and print package

Smart Printing Languages:

Honeywell C# for Printers

Smart Printing Developer Resource Kit

Write apps with .NET-compatible development environments

Honeywell Fingerprint – Use Honeywell Fingerprint Application Builder (IFAB)

Configuration and Device

Management Support:

PrintSet for printer configuration

Honeywell SmartSystems™ Foundation

Sophisticated web interface for configuration, upgrade and 1:1 management

Wavelink Avalanche™

CHARACTER SETS/FONTS

Printing Character Sets: English and Extended Latin, Cyrillic, Greek, Turkish, Hebrew, Arabic, Baltic, Baltic RIM, Vietnamese, Thai and more with Monotype Universal Font Scaling Technology (UFST) and WorldType Layout Engine (WTLE)

Resident Fonts: Century Schoolbook, CG Times, CG Times Bold, Letter Gothic, Andale Mono, Andale Mono Bold, Univers, Univers Bold, Univers Condensed Bold, Univers Extra Condensed, OCR-A, OCR-B

Optional: Support for downloading TrueType and TrueType-based OpenType fonts and user-defined fonts

LCD DISPLAY LANGUAGE

Standard: English, French, German, Italian, Portuguese, Russian, Spanish

Optional: Simplified Chinese, Traditional Chinese, Korean

GRAPHICS

Native support for one-bit BMP, GIF, PCX and PNG graphics formats

BARCODE SYMBOLOGIES

All major one-dimensional barcode symbologies are available, plus two-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°C to +40°C (+40°F to +104°F)

Humidity (Printing): 10–80% RH non-condensing

Materials: Disinfectant-resistant plastic case will not be damaged when cleaned with any chemical in the following list. These chemical disinfectants and cleaning solutions have been successfully tested on the printers. Cleaning the printers by using a wipe or cloth dampened by any of the following disinfectants or cleaning solutions will not cause damage to the printer case or media window.

CHEMICAL DISINFECTANTS	BRANDS
Viraguard®	Veridien
Sodium Hypochlorite 6%	Multiple suppliers
Ammonium Chloride 10%	Multiple suppliers
SANI-CLOTH HB	PDI
SANI-CLOTH PLUS	PDI
VSUPER 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	BRANDS
Screen Cleaner	Multiple suppliers
Tuffie Wipes	Vernacare

PC Series Technical Specifications

SOFTWARE

Separate Power Supply:

Input: 100–240V AC/50–60 Hz, 1.5 A

Output: 24V DC, 2.5 A

Energy Star Compliant

Smart Battery unit accessory
(PC43d only)

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 (DTR/DSR)

Wireless Protocol: WEP static (64/128 bits), WPA, WPA2, WEP dynamic, EAP-PEAP, EAP-TTLS, LEAP, EAP-FAST, EAP-TLS, Wi-Fi certifie

REGULATORY APPROVALS

CE, FCC Class A, cULus, UL, GS, TUVGS, BSMI, D Mark, cUL, CCC (China), KCC (South Korea), C-Tick (Australia/New Zealand)

FACTORY-INSTALLED OPTIONS

13.56 MHz HF RFID ISO 15693 (PC23d), UHF RFID (PC43)

USER-INSTALLABLE

ACCESSORIES/ UPGRADES

For complete list of accessories, see the PC Series Accessory Catalog.

SERVICE

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

USER INTERFACE

Choice of:

- 59.94 mm (2.36 in) color 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

INDUSTRY APPROVALS

Healthcare: Epic (Validated), McKesson (Certified), Sunquest (Validated)

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 standard warranty; additional service packages available through Honeywell Repair Services

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance.

For a complete listing of all supported barcode symbologies, please visit www.honeywellaidc.com/symbologies.

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PM45 / PM45c

Industrial Printers

The Honeywell PM45 series industrial printer is designed for high quality label printing in harsh industrial environments. The WWAN connective printer enables 24/7 data communication and real-time visibility of critical data from a wide range of locations.



Enterprises today are facing increasing challenges on production flexibility, inventory turnover, and cost control. The PM45 industrial printer offers high-precision and high-volume printing along with track-and-trace functionality to increase production efficiency and supply chain transparency in food and beverage, pharmaceuticals, manufacturing, warehouse, and distribution center management.

The Honeywell PM45 is built for smart label solutions that help enterprises enhance automation and intelligence in manufacturing and supply chain management for high operating efficiency.

Built on the Honeywell print platform, the durable PM45 printer offers print speeds of up to 14 ips. With print registration of up to +/-0.5 mm, the PM45 printer can ensure high print quality of barcodes, texts, and images, even on small electronic component and pharmaceutical labels. As a highly connected industrial printer, the PM45 is packed with first-in-class WWAN connectivity to enable deployment with minimal limitation from site network topology. The PM45 printer is also scalable to incorporate RFID, parallel, industrial, and applicator interfaces to address your unpredictable business needs in the future.

To support your transformation to intelligent manufacturing and supply chain management, the PM45 printer supports variable network protocols and multiple print languages to enable easy integration into your system whether it's on a local server or the cloud. With the embedded Honeywell software tool Smart Parse, you can quickly change the position, size of objects and barcode, or font type on labels without the need to change the backend system or having any programming skills. Honeywell Operational Intelligence equipped the PM45 printer with the capability of remote management for issues diagnostics and output performance tracking.

The PM45 can support a wide range of media – including ink-in and ink-out ribbons with one-inch core size – enhancing the time between media resupply. With Honeywell's firmware platform that supports multiple print languages, the PM45 printer is an easy replacement for existing Honeywell or mixed printers. A rugged, all-metal print mechanism, easy printhead, and tool-free platen roller replacement, help minimize downtime and maintenance needs.

FEATURES AND BENEFITS



The common software platform managed by Honeywell Cyber Security provides security updates throughout the entire lifecycle.



The PM45 printer offers a scalable and upgradable solution to minimize the business constraints that may be faced in the future.



The PM45 printer is the first industrial printer with WWAN connectivity designed for M2M and IoT applications.



Operational Intelligence MDM tool provides predictive analytics and data on printer health, while SOTI and PrintSet MC are also supported.



Smart printing capability allows users to configure and print without the need for a host computer.

Honeywell

PM45/PM45c Technical Specifications

PHYSICAL CHARACTERISTICS

PM45:

L x H x W: 483 mm x 295mm x 284 mm
(19.0 in x 11.11.6 in x 11.2 in)

Weight: 13.2 kg (29.1lbs)

PM45c:

L x H x W: 432 mm x 181 mm x 253 mm
(17.0 in x 7.1 in x 10.0 in)

Weight: 12.6 kg (27.7 lbs)

PM45c with Mega Door

L x H x W: 500 mm x 245 mm x 253 mm
(19.7 in x 9.6 in x 10.0 in)

Weight: 12.8 kg (28.0 lbs)

PM45/45C PRINT SPECIFICATIONS

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

Max.Width at 300 dpi: 105.7 mm (4.17 in)

Max.Width at 406 dpi: 104 (4.09 in)

Max.Width at 600 dpi: 105.6 mm (4.16 in)

Max.length at 203 dpi: 4.8 m (189 in)

Max.length at 300 dpi: 2.2m (85in)

Max.length at 406 dpi: 1.2 m (47.2 in)

Max.length at 600 dpi: 0.55m (22in)

WIRELESS CONNECTIVITY

WLAN: IEEE 802.11 a/b/g/n/ac;
Wi-Fi certified, 1x1 SISO

Additional WLAN Features:
802.11d/e/h/i/k/r

Security: OPEN, WEP, WPA/WPA2
(Personal and Enterprise),

Supported EAP: TLS, PEAP, TTLS, PWD,
LEAP, FAST

Bluetooth: V5.0 Bluetooth and BLE
Supported

WWAN: WWAN Radio

CAT4 LTE Modem

MIMO - Main/Rx-diversity

LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/
B13/B18/B19/B20/B25/B26/B28

LTE TDD: B38/B39/B40/B41

UMTS: B1/B2/B4/B5/B6/B8/B19

GSM: B2/B3/B5/B8

Slot: Micro Sim Card slot x 1

PRINT SPEED

At 203 dpi: 50-350 mm/s (2-14ips)

At 300 dpi: 50-300 mm/s (2-12ips)

At 406 dpi: 50-250 mm/s (2-10ips)

At 600 dpi: 50-150 mm/s (2-6ips)

PRINT RESOLUTION

At 203 dpi: 8 dots/mm

At 300 dpi: 11.8 dots/mm

At 406 dpi: 16 dots/mm

At 600 dpi: 23.6 dots/mm

PM 45/45C MEDIA SPECIFICATION

Type: Labels and Tags and Lined media

Max./Min.Width: 114/19 mm (4.5/0.75 in)

Thickness: 3 mil to 10.4 mil

Configuration: Roll-fed or fan-fold

Media Sensing: Gap, Notch, Black mark,
Continous, Media low, Media end

Other sensing: Label Taken sensing,
Ribbon Low/End sensing, Head lift sensing

Label Roll Max.Diameter: 152 mm (6 in) for
PM45c long door models; 213 mm (8.38 in)
for all other models of PM45/PM45c

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

RIBBON SPECIFICATION:

Type: Wax, mid-range and resin

PM45:

PM45 Roll Max. Diameter: 80 mm
(3.15 in), capacity of 450 m (1,476 ft)

PM45c:

PM45c Roll Max. Diameter: 61 mm
(2.40 in), capacity of 229 m (751 ft)

Media:

Ribbon Core ID: 25mm (1 in)

Genuine Honeywell Media:

[https://sps.honeywell.com/us/en/
products/productivity/prINTER-supplies](https://sps.honeywell.com/us/en/products/productivity/prINTER-supplies)

INTERFACES

Standard:

Ethernet 10/100/1000 Mbps

USB 2.0 Host (x2 PM45, x1 PM45C)

USB 2.0 Device

RS-232, up to 115.2 KB/s

Optional:

Parallel Interface (IEEE 1284)

Industrial interface – eight digital
in/out, four analog relays, one
RS232/422/485 port

Applicator Interface – Ext Error 8-pin mini-
DIN, Z-style standard DB15 port, S-style
standard 14-pin Centronics, Ext Power
6-pin mini-DIN

RFID – Supports EPC Class 1 Gen2,
18000-6C. Radio configured to comply
with local UHF RFID regulations including
FCC and ETSI. Contact local representative
for availability in particular region.

Supported Network Protocols:

TCP/IP suite (TCP, UDP, ICMP, IGMP), LPR/
LPD, Telnet/SSH, FTP/SFTP, BOOTP,
DHCP, HTTP/HTTPS, SNMPv1/2c/3,
SNMP-MIBII supported – over UDP/IP
(private enterprise MIB included), SMTP
Supports IPv4 and IPv6

SOFTWARE

Printer Command Languages:

Fingerprint (FP)

Direct Protocol (DP)

Intermec Printer Language (IPL)³

ZSim2 (ZPL-II), DPL, XML-enabled for SAP®
All and Oracle® WMS, PDF, C#

Applications/Drivers:

InterDriver Windows® printer driver, CUPS
driver for Linux, Honeywell Device Types
for SAP, Honeywell label design and print
package

Smart Printing Languages:

C# for Printers: Honeywell Smart
Printing Developer Resource Kit; write
apps with .NET- compatible development
environments.

Configuration and Device Management Support (optional):

OpIntel -

PrintSet 5 for printer configuration;
sophisticated web interface for
configuration, upgrades and 1:1
management; Print Set MC (Android™ and
Apple® iOS) for printer configuration via
Bluetooth LE only

BARCODES/FONTS/GRAPHICS

Barcode 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: 512 MB Flash memory, 256 MB
SDRAM, Multi-GB USB memory device
(FAT16/FAT22)

User Partitioning: 256MB

USER INTERFACE

Full Touch UI, Icon UI

USER INTERFACE LANGUAGES

On Full Touch LCD and Web Interface:

English, Russian, German, French,
Portuguese, Spanish, Italian, Korean,
Thai, Japanese, Simplified and
Traditional Chinese

PM45/PM45c Technical Specifications

POWER SUPPLY

AC Voltage: 100 to 240V AC, 50 to 60 Hz

Power Consumption: Standby 9.6W; Peak 270W (24V), Peak 145W (33V)

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)

Operating Humidity:

20 to 85% non-condensing

Storage Humidity:

5 to 90% non-condensing

REGULATORY APPROVALS

RoHS Compliant, CE (EN55032 Class B*),

FCC Class B*, Energy Star 3.0 Qualified

For more countries compliant, please contact your local sales office.

OPTIONS AND ACCESSORIES

Consult the PM Series Accessory Guide for full details:

Integral self-strip unit with liner takeup, label taken sensor (LTS), media low sensor, media supply hub, parallel interface board, RFID UHF, applicator interface board², industrial interface board^{1,2}, collapsible rewinder core, cutter, full batch label/liner rewinder²

¹ Not applicable when using IPL firmware.

² Compatible with PM45 only.

³ Supports on 203 dpi and 300 dpi only.

For more information

sps.honeywell.com

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PX940

High-Performance Industrial Printer with Integrated Label Verification

The PX940 high-performance industrial printer with integrated label verification technology provides error-free printing.

Developed for companies that are subjected to fines levied for non-compliance to regulatory standards and returned shipments due to unreadable barcodes, the PX940 prints barcodes that are 100% readable every time. With pass/fail and ANSI grades from 0.0 (F) to 4.0 (A), bad labels that do not meet an established threshold are voided and a new label is reprinted. The PX940 printer has print registration of up to ± 0.2 mm (0.0079 in). The trend toward miniaturization requires printing on smaller and smaller labels. The PX940 will print accurately on small labels, edge to edge with high precision.

The PX940 printer is suited for transportation and logistics, pharmaceuticals and healthcare, shipping and distribution centers, industrial manufacturing, automotive parts suppliers, and applications that are regulated and require high precision and error-free printing. The PX940 printer is available in two versions: one with the integrated verifier, and an option without the integrated verifier. Both versions are available with standard features such as Bluetooth® LE, used with Print Set MC and smart printing capability. Smart printing allows users to configure printer settings and print without the need for a host computer.

With a Honeywell firmware platform that supports multiple print languages, the PX940 printer is an easy replacement for competitive printers. A rugged all-metal print mechanism, easy printhead and tool-free platen roller replacement, and a predictive maintenance system help to minimize downtime and maintenance. The PX940 printer can support a wide range of media – including ink-in and ink-out ribbons with one-inch core size – enabling maximum time between media resupply. Fast time-to-label and print speeds of up to 350 mm/s (14 ips) ensure that the PX940 printer can scale with the changing needs of dynamic operations.



With integrated label verification technology and Operational Intelligence software, the PX940 industrial printer gives customers 100% readable printed barcodes, predictive analytics, and a lower overall cost of ownership.

FEATURES AND BENEFITS



Integrated label verification technology checks and ensures that barcodes are accurate every time; instantly notifies you of pass/fail status and ANSI grade.



Extremely precise printing of up to ± 0.2 mm (0.0079 in) virtually eliminates poor-quality, unreadable labels and barcodes.



Operational Intelligence software provides predictive analytics and data on printer health to help managers oversee their entire printer fleet and proactively prevent issues, ensuring maximum uptime.



Smart printing capability allows users to configure and print without the need for a host computer.



Easy to use and maintain, with a color multilingual touchscreen interface and quick side-loading design.

Honeywell

PX940 Series Technical Specifications

STANDARD

Print Method: Thermal Transfer and Direct Thermal
3.5 in color touch LCD
Foldable clear media door
Dual Label Stop Sensor for precision printing
Dual Core 1 GB processor (ARM® Cortex® A9 core)
256 MB Flash memory
1 GB DDR3 SDRAM
Multi-GB USB memory device (FAT16/FAT32)
Internal real-time clock

MECHANICAL

PX940/PX940 Verifier Version:

L x H x W: 506 mm x 398.7 mm x 261 mm
(19.92 in x 15.70 in x 10.28 in)

Weight: 23 kg (50.71 lbs)

PX940:

Weight: 23 kg (50.71 lbs)

PX940 Verifier Version:

Weight: 23.5 kg (51.81 lbs)

PRINT SPECIFICATIONS

Print Resolution:

At 203 dpi: 8 dots/mm
At 300 dpi: 11.8 dots/mm
At 600 dpi: 23.6 dots/mm

Print Speed:

At 203 dpi: 50–350 mm/s (2–14 ips)
At 300 dpi: 50–300 mm/s (2–12 ips)
At 600 dpi: 25–150 mm/s (1–6 ips)

Maximum Width:

At 203 dpi: 108 mm (4.25 in)
At 300 dpi: 105.7 mm (4.16 in)
At 600 dpi: 105.6 mm (4.16 in)

Maximum Continuous Print Length:

At 203 dpi: 4.8 m (15.75 ft)
At 300 dpi: 2.2 m (7.22 ft)
At 600 dpi: 0.55 m (1.81 ft)

BARCODE VERIFIER SPECIFICATION

(PX940 Verifier Version only)

Scan Resolution: 600 dpi

Maximum Scan Width: 108 mm (4.25 in)

Light Source: 660 nm

Maximum Verification Speed:

At 203 dpi & 300 dpi: 250 mm/s (10 ips)
At 600 dpi: 150 mm/s (6 ips)

Barcode Orientation: All directions

Barcode Verification Modes: Linear (1D) barcode verification conforming to ISO/IEC 15416-2016; 2-Dimensional (2D) barcode verification conforming to ISO/IEC 15415-2011; Read/No Read Barcode verification

Minimum Linear (1D) Bar Width: 10 mils (0.254 mm)

Minimum 2D Cell Size: 10 mils (0.254 mm)

Supported 1D Symbolologies:

Code 39, HIBC 39, Code 93, Code 128, ISBT 128, HIBC 128, EAN-128, GS1-128, EAN-8, EAN-13, UPC-A, UPC-E, Interleaved 2 of 5, ITF-14, SCC-14, RSS14E, GS1 Databar Expanded

Supported 2D Symbolologies:

Data Matrix, ISBT Data Matrix, QR code

Maximum Verification Length: 304.8 mm (12 in)

Maximum Voiding Length:

Batch Print: 152.4 mm (6 in)

On Demand Mode: 304.8 mm (12 in)

Maximum Number of Barcodes per Label: 32

Minimum Media Opacity: 80%

Maximum Operating Ambient Light: 5,000 lux

Verification Reports: Statistics and detailed reporting is available through printer web page, USB thumb drive, Verifier Integration Interface (VII), or FTP/SFTP

MEDIA SPECIFICATIONS

Media Type: Gap, black mark, tag, hole, notch, or continuous

Maximum/Minimum Width (Label and Liner): 114/20 mm (4.5/0.79 in)

Minimum Label Length:

Tear-Off Mode: 3.0 mm (0.12 in)

Self-Strip Mode: 12.7 mm (0.5 in)

Rewind Mode: 6.0 mm (0.24 in)

Thickness (Label and Liner): 3 mil to 10 mil

Configuration: Roll-fed (wound out only) or fanfold

Label Roll Maximum Diameter: 212.7 mm (8.375 in)

Label Roll Core: 76 mm (3 in) or 388 mm (1.5 in)

RIBBON SPECIFICATIONS

Ribbon Spindle: Both ribbon coated side in and out

Roll Max. Diameter: 80 mm (3.15 in), approximately 450 m (1,476 ft)

Core ID: 25 mm (1 in)

Maximum/Minimum Width (Ribbon and Core): 110/51 mm (4.33/2.0 in)

Type: Wax, mid-range, resin

Genuine Honeywell Media:

www.honeywellaidc.com/products/media

INTERFACES

Standard:

USB 2.0 Host (x2)

USB 2.0 Device

Ethernet 10/100 Mbps

RS-232, up to 115.2 KB/s

Bluetooth LE (for Print Set MC only)

Static NFC tag (Bluetooth MAC address)

USER INTERFACE LANGUAGES:

On Color Touch LCD and Web Interface:

English, Italian, French, Spanish, Portuguese, German, Russian, Chinese Traditional and Simplified, Korean, Japanese, Thai

POWER SUPPLY

200 watt rated power supply with PFC

AC Voltage: 100V AC to 240V AC, 50 Hz to 60 Hz

OPERATING ENVIRONMENT

Operating Temperature: +5°C to +40°C (+41°F to +104°F)

Storage Temperature:

PX940: -20°C to +70°C (-4°F to +158°F)

PX940 Verifier Version: -20°C to +60°C (-4°F to +140°F)

Humidity: 20% to 85% non-condensing

ACCESSORIES

Verifier Calibration Card (applicable to PX940 Verifier Version only)

Wireless Board (IEEE 802.11 a/b/g/n/ac)

Parallel Board (IEEE 1284)

Applicator Interface Board

Industrial Interface Board

Peel Off module (factory configurable)

Rewinder module (factory configurable)

1.5 in non-collapsible inner core diameter on media supply and rewinder take-up (factory configurable)

SOFTWARE

Printer Command Languages:

Fingerprint (FP)

Direct Protocol (DP)

Intermec Printer Language (IPL) support on 203 dpi and 300 dpi only

ZSim2 (ZPL-II)

DPL

XML-enabled for SAP® All and Oracle® WMS

Applications/Drivers: InterDriver Windows® printer driver, CUPS driver for Linux, Honeywell Device Types for SAP, Honeywell label design and print package

Smart Printing Languages:

Honeywell C# for Printers: Smart Printing Developer Resource Kit; write apps with .NET-compatible development environments; barcode verification disabled when running C#

Configuration and Device Management

Support: Print Set 5 for printer configuration; sophisticated web interface for configuration, upgrades, and 1:1 management; Print Set MC (Android™ and Apple® iOS) for printer configuration and AR user guide via Bluetooth LE only

PX940 Series Technical Specifications

BARCODES/FONTS/GRAPHICS

Barcode 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.

REGULATORY APPROVALS

RoHS Compliant, CE (EN55032 Class B*), FCC Class B*, Energy Star 2.0 Qualified

For more countries compliant, please contact your local sales office.

***Note:** Implemented on printer serial number starting with 19301B087C.

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance.

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RP2F/RP4F SERIES

Ultra-Rugged Portable Label/Receipt Printer

The RPf Series is a rugged and reliable direct thermal portable label printer that offers easy integrated device management, a high level of security throughout the entire printer lifespan, and upgrades that allow your printers to be updated with enhanced features in direct store delivery, field service, T&L, retail, and airline environments.



This portable printer provides big productivity gains and reduces errors by enabling workers to print labels at the location they need, so labels can be applied when and where they need to be applied. The RPf printer comes with powerful CPU and smart power management – allowing smooth, continuous operation so your workers can work efficiently with less media reloading, battery swaps, and downtime. The RPf Series printer prints 25.4mm (1 in) to 104.1 mm (4.1 in) labels/receipts and can accommodate a wide variety of media, including the heavy stock necessary for hang tags and specialty label needs. Plus, its fast and easy-loading design means fewer interruptions and increased productivity in your application, whether using one type of media or several. The RPf Series has the latest 802.11 a/b/g/n/ac Wi-Fi capabilities for the best range and fast data communications on your WLAN. It also includes a Bluetooth 5.0 LE radio at no additional charge for when workers are outside of WLAN range or using the printer with a Bluetooth mobile computer.

The RPf Series mobile thermal printers are built for the most rugged environments, offering exceptional media and battery capacity, quiet operation, and excellent value to help operations increase efficiency and minimize downtime.

Built on Honeywell's software platform, the RPf printer offers IT managers easy integrated device management, a high level of security throughout the entire printer lifespan, and upgrades that allow your printers to be updated with enhanced features.

FEATURES AND BENEFITS



Ultra-rugged: survives 2 m (6.6 ft) drops and 1,000 0.5 m (1.6 ft) tumbles, has an IP54 rating for dust and moisture ingress, and operates over a wide temperature range.



Lightweight, ergonomic design allows workers to carry and operate the printer with ease.



High-discharge current lithium-ion cell battery can be swapped without resetting the printer or losing connectivity.



Operational Intelligence solution provides analytics to help manage, track, and optimize printer assets, enabling proactive maintenance and replacement.



The printer provides superior media capacity and supports labels with/without a liner; can also sense gaps between labels or black marks on the top or bottom of media.

Honeywell

RPf Portable Printer Series Technical Specifications

PHYSICAL CHARACTERISTICS

RP2f – 2 in:

Dimensions (H x W x D): 160 mm x 116 mm x 77 mm (6.3 in x 4.6 in x 3.0 in)

Printer Weight: 0.72 kg (1.5 lb)
(with battery, no media)

RP4f – 4 in:

Dimensions (H x W x D): 187 mm x 164 mm x 77 mm (7.36 in x 6.46 in x 3.0 in)

Printer Weight: 1.02 kg (2.24 lb)
(with battery, no media)

MEDIA

Media Roll Width:

RP2f: 25 mm (1.0 in) to 57 mm (2.25 in)

RP4f: 51 mm (2.0 in) to 111 mm (4.4 in)

Maximum Print Width:

RP2f: 48 mm (1.89 in)

RP4f: 104 mm (4.1 in)

Media Types: Tags, receipt paper, labels, lined and linerless* labels with black mark or gap sensing

Maximum Roll Capacity: 58 mm (2.25 in) outside diameter

Core Sizes: 10.16 mm (0.4 in), 19 mm (0.75 in), or 25.4 mm (1.0 in) inside diameter

Media Thickness: 0.05 mm (2 mil) to 0.16 mm (6.3 mil)

For optimum print quality and printer performance, use certified Honeywell media supplies.

POWER SOURCE

Batteries: 7.2V Lithium-ion (Li-ion)

RP2f: 2500 mAh with battery age LED indicator

RP4f: 4900 mAh with battery age LED indicator

DC Inputs (for charging only): 12–15V, built-in spike and surge protection

Hot-Swappable Battery (maintains wireless connection): Bluetooth and Wi-Fi configurations up to 20 seconds

SMART Battery: to SBS Rev 1.1

Charge Time: Typical

RP2f: 4 hours

RP4f: 7 hours

Battery Eliminator: SKU optional for printers used permanently inside a vehicle

ENVIRONMENTAL

IP Rating: IP54

Drop Specification: 2 m (6.6 ft)

Tumble Test: 1,000 cycles at 0.5 m (1.6 ft)

Operating Temperature: -20°C to 55°C (-4°F to 131°F)

Storage Temperature: -30°C to 65°C (-22°F to 149°F)

Charging Temperature: 0°C to 40°C (32°F to 104°F)

Operating Humidity: 10% – 90%
(non-condensing)

Storage Humidity: 10% – 90%
(non-condensing)

ACCESSORIES

Carriage: Belt clip, heavy-duty velcro belt mount, shoulder strap, hand strap, environmental soft case

Mounting: Single mount with MFxT adapter; single mount with wall adapter plate kit; settlement room 5-mount includes charger and single vehicle mount with RAM arm

COMMUNICATIONS

USB 2.0: Includes On-The-Go (OTG) capabilities for scanner, scale, and keyboard input

NFC: For pairing

Bluetooth: Bluetooth 5.0 + LE dual radio mode; serial port profile, security modes 1-4, encryption 1-3e, Apple iOS compatible

802.11 a/b/g/n/ac and Bluetooth with dual radio mode; wireless access modes: Infrastructure and ad hoc

Internet Protocols Supported: UDP/TCP, DHCP, BootP, FTP, FTPS, SFTP, TFTP, Telnet, LDP, SNMP

	WEP	WPA	WPA2&WPA3
MODES		PSK/Enterprise	
SECURITY/ ENCRYPTION	64/128	TKIP/RC4	CCMP/AES
AUTHENTICATION	LEAP, EAP-PEAP, EAP-FAST, EAP-TTLS, EAP-LEAP, EAP-TLS		

MEMORY

64 MB SDRAM, 2 GB Flash memory

SOFTWARE/FIRMWARE

Printer Command Languages:
FP/DP (Fingerprint / Direct Protocol)
DPL (Datamax Printer Language)
ZPL II (Zebra Printer Language)
IPL (Intermec Printer Control Language)
XML Printing
C#
PDF
CPCL
EZ-Print

Configuration Tool : PrintSet 5, PrintSet MC

Device Management Compatibility: PrintSet 5, PrintSet MC

Remote Management: Operational Intelligence, SOTI

Network Compatibility: TCP/IP based networks; AS/400 (LPD)-based networks

Drivers: Microsoft® Windows® XP/ Vista/7/8, and 10

Label-Design Software Compatibility: BarTender, Niceware/NiceLabel, and others

ERP Systems Compatibility: SAP, Oracle

Software Development Kit: Android 4.0 and above, Apple iOS 10.3 and above, Microsoft Windows 10 and above.

USAGE FEATURES

Intelligent Backlit Icons: On/Off Button, Battery Charge, Battery Life, Media Status, Communication Status

Media: Drop-in/easy-to-load media, adjustable media arms, 4 in printer fan fold slot

Proactive Maintenance: Sensors for reporting printer usage information (battery, printhead, environmental) and management console

*** For use in RP Series printers equipped with linerless option only**

For more information

sps.honeywell.com

www.android.com/AER

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