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.

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.

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.

FEATURES & 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.

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® AII 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

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PC Series Technical Specifications

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

POWER ADAPTER

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 certified

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, 314 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

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PC Series Technical Specifications

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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