

PC42T PLUS

4-Inch Desktop Printer

Based on more than 40 years of barcode printing innovations, the PC42t Plus desktop printer sets new standards for user-friendliness and affordability.

Exceptionally compact and easy to use, this printer is simple to install and ready to print quickly. Quiet, reliable operation and an intuitive design make the PC42t Plus the right fit for light-duty labeling applications in a variety of industries.

Available in either 12.7 mm (0.5 in) or 25.4 mm (1 in) ribbon core configurations and with a print speed up to 125 mm (5 ips), the PC42t Plus supports media as wide as 110 mm (4.3 in) and fits right into existing printing environments. The 25.4 mm configuration is compatible with ribbon lengths up to 300 m (984 ft) – more than four times the length of competitive offerings. With support for longer ribbons, downtime is reduced and ribbons can be shared with larger printers to provide increased media flexibility.

The PC42t Plus printer includes broad, industry-standard connectivity. Up to four ports are built-in: standard USB device and USB host, plus optional serial or serial+Ethernet. With rich interfaces, a compact size, and common media specifications, the PC42t Plus easily drops into virtually any application environment. The PC42t Plus printer supports ZPL II and EPL emulation, along with Direct Protocol (DP) and DPL, and auto-senses the printing languages without any pre-setting, providing an easy upgrade path from a variety of legacy Intermec, Datamax, and competitive printers.

With its affordable price and modern features, the PC42t printer represents a smart solution for the small or medium business looking to improve productivity in label-making operations. Economical to purchase and use, the PC42t printer is also a great choice for those looking to deploy thermal label printing for the first time, or for those transitioning away from more expensive inkjet- or laser-based label printing methods.



Easy to install and ready to print quickly, the streamlined PC42t Plus is an economical choice for media up to 110 mm (4.3 in) wide.

FEATURES AND BENEFITS



An economical solution for light-duty thermal printing applications.



Supports a wide range of media, including 12.7 mm (0.5 in) or 25.4 mm (1 in) ribbon cores (depending on the model).



Industry-standard connectivity includes USB host and device, and options for Ethernet and serial communications.



Easy to use, with a quick-opening design for media replenishment.



Supports ESim (EPL), ZSim (ZPL II), DPL, and Direct Protocol (DP) print languages for maximum compatibility.

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PC42t Plus Technical Specifications

MECHANICAL

Dimensions (L x W x H): 297 mm x 226 mm x 175 mm (11.7 in x 8.9 in x 6.9 in)

Weight: 2.5 kg (5.5 lbs)

MEDIA

Max. Media Diameter: 127 mm (5.0 in)

Media Core Sizes: 25.4 mm (1 in), 38.1 mm (1.5 in)

Media Width: 25.4 mm – 110 mm (1.0 in – 4.3 in)

Label Length: 9.6 mm – 99 mm (0.34 in – 3.9 in)

RIBBON

Ribbon Support: Coated Side Out

Max. Ribbon Diameter: 68 mm (2.7 in)

Ribbon Core Sizes: 12.7 mm (0.5 in), 25.4 mm (1.0 in)

Ribbon Width: 30 mm – 110 mm (1.2 in – 4.3 in)

Max. Ribbon Length: 25.4 mm (1.0 in) core: 300 m (984 ft); 12.7 mm (0.5 in) core: 75 m (246 ft)

PRINTING

Print Resolution: 8.0 dpmm (203 dpi)

Default Print Speed: 100 mm/s (4.0 ips)

Max. Print Speed: 125 mm/s (5.0 ips)

Max. Print Width: 104.1 mm (4.1 in)

COMMUNICATIONS

Standard Interfaces: USB Device, USB Host

Options: Factory Installed: Internal Ethernet, serial port

Protocols: Network: TCP/IP-suite (TCP, UDP, ICMP, IGMP), DHCP, BOOTP, LPR, FTP, web page and Telnet 9100, IPv4 Serial Flow Control: XON/XOFF, RTS/CTS

USER INTERFACE

Display: 1 Feed Button and LED Display

Web Page Languages: English and Simplified Chinese (Default), Spanish, Portuguese, Russian, Korean, Japanese, Thai

GRAPHICS AND BARCODES

Native Graphic Formats: 1-bit BMP, GIF, PCX, PNG

Barcode Symbologies: All major 1D and 2D symbologies are supported, including 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)

SOFTWARE

Printer Command Languages: Direct Protocol (DP), DPL, ZSim2 (ZPL II), ESim (EPL)

Drivers: InterDriver Windows® Printer Driver (Microsoft® Certified for Windows 7/8.1/10, Windows Server 2016/2008/2012)

Applications: BarTender®

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

ENVIRONMENTAL

Operating Temperature: +5°C to +40°C (+41°F to +104°F) @ 10 to 80% RH non-condensing

Storage Temperature: -40°C to +60°C (-40°F to +140°F) @ 10 to 90% RH

ELECTRICAL

Input: 100–240V AC @ 50–60 Hz, 1.5 A

Output: 24V DC, 2.5 A

MEMORY

Standard: 64 MB Flash, 64 MB SDRAM

Optional: Up to 32 GB (via user-supplied USB thumb drive) formatted as FAT16 or FAT32

OPTIONS

Factory-Installable: Ethernet, serial port

APPROVALS

Regulatory: CE, D Mark, KC, RM

Safety:

Europe: D Mark, EN 60950-1

Other Countries: IEC 60950-1

EMC: Europe EMC Directive (EN55032 Class A + EN55024)

WARRANTY

One-year warranty on printer

One-year warranty on printhead

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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ZPL II is a trademark of ZIH Corp., registered in many jurisdictions worldwide.

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For more information

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THE
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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.

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 Printer Companion 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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