

# PD43 & PD43c

## Light Industrial Thermal Printer

The PD43 and smaller PD43c family of light industrial thermal printers incorporate the latest printing innovations into a compact and affordable package. Ideal for tight spaces, shallow countertops, and pull-out cabinets, the PD series was designed to deliver no-compromise printing performance in the smallest possible footprint.

Suited for the distribution center and warehouse as well as airline passenger service, the PD43 upholds the long tradition of reliable performance of the PD series. An all-metal chassis, strong cast-aluminum print mechanism, and tool-free printhead and roller replacement help minimize downtime and maintenance needs. With a variety of door options, the PD43 can support a wide range of media – including ink-in and ink-out ribbons with half-inch or one-inch core sizes – enabling maximum time between media resupply. Fast time-to-label and print speeds of up to 200 mm/s (8 ips) ensure that the PD43 can scale with the changing needs of dynamic operations.

The PD43 takes industrial printing to a new level of simplicity, with a color graphic display that makes it easier to set up, configure and fine-tune settings without the need for a host computer. In fact, with Smart Printing capabilities, the PD43 can run apps right inside the printer – eliminating the need for a connected PC entirely.



*Combining the latest printing innovations in a compact but rugged package, the PD43 is ideal for tight spaces, shallow countertops and pull-out cabinets.*

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

Add a service plan from Honeywell Repair Services and ensure business continuity, workflow performance and protection of your technology investments – now available in over 70 countries with global pricing and global standards of quality.

### FEATURES & BENEFITS



Small footprint for installation into compact tabletops and pull-out cabinets



Rugged metal chassis and print mechanism provide investment protection.



Intuitive, 10-language color display or icon interface simplifies setup and maintenance.



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



Run apps right inside the printer, control peripherals, and eliminate the need for a connected PC, using either C# for Printers or Fingerprint.

# PD43 & PD43c Technical Specifications

## PHYSICAL CHARACTERISTICS

### PD43 with Standard Door:

Length: 470 mm (18.5 in)  
Width: 211 mm (8.3 in)  
Height: 249 mm (9.8 in)  
Weight: 8.4 kg (18.5 lbs)

### PD43 with Flat Top Door:

Length: 470 mm (18.5 in)  
Width: 211 mm (8.3 in)  
Height: 209 mm (8.2 in)  
Weight: 8.3 kg (18.3 lbs)

### PD43c:

Length: 236 mm (9.3 in)  
Width: 211 mm (8.3 in)  
Height: 205 mm (8.1 in)  
Weight: 5.1 kg (11.2 lbs)

### PD43c with Optional External Media Holder:

Length: 432 mm (17.0 in)  
Width: 211 mm (8.3 in)  
Height: 217 mm (8.5 in)  
Weight: 6.0 kg (13.2 lbs)

## MEDIA COMPATIBILITY

### Max. Media Diameter (OD):

PD43 with Standard Door: 213 mm (8.375 in)  
PD43 with Flat Top Door: 152 mm (6.0 in)  
PD43c with External Media Holder: 203 mm (8.0 in)  
Media Core Sizes (ID): 1, 1.5, 3 in

Media Width: 19 mm (0.75 in) to 118 mm (4.65 in)

Label Length: 6.4 mm (0.25 in) to 172.7 cm (68.0 in)

## RIBBON COMPATIBILITY

Ribbon Support: Coated Side In, Coated Side Out

Max. Ribbon Diameter: 68 mm (2.68 in)

Ribbon Core Sizes: 0.5, 1 in

Ribbon Width: 25.4 mm (1 in) to 110.0 mm (4.3 in)

Max. Ribbon Length: 300 m (984 ft)

## PRINTING CHARACTERISTICS

Print Resolution: 8.0 dpmm (203 dpi), 11.8 dpmm (300 dpi)

Max. Print Speed: 203 mm/s (8.0 ips) @ 8.0 dpmm (203 dpi), 152 mm/s (6.0 ips) @ 11.8 dpmm (300 dpi)

Max. Print Width: 104 mm (4.1 in)

## COMMUNICATIONS

Standard Interfaces: USB Device, USB Host<sup>1</sup>

Optional – via Adapter Cables: Internal Ethernet (NIC), Parallel Port, Serial Port

Optional – Factory/Service Installable:

Bluetooth® and Wireless 802.11 b/g/n, HF/UHF RFID, Internal Ethernet (NIC)

Protocols – Wireless: WEP Dynamic; WEP Static (64/128 bits); WPA; WPA2; EAP (FAST, PEAP, TLS, TTLS); LEAP

Protocols – Serial Flow Control: XON/XOFF, RTS/CTS (DTR/DSR)

Certifications: Cisco® CCXv4, Wi-Fi

## USER INTERFACE

Display: Color Graphic Display or Icon Display

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

Languages – Optional: Simplified Chinese, Traditional Chinese, Korean

## GRAPHICS & BAR CODES

Native Graphic Formats: BMP, GIF, PCX, PNG

Barcode Symbologies: All Major 1D, 2D, and Composite Symbologies

## SOFTWARE

Printer Command Languages: Direct Protocol, IPL, DSim (DPL), ESim (EPL), ZSim2 (ZPL-II), XML-Enabled for SAP All and Oracle® WMS  
Smart Printing Languages: C# for Printers, Fingerprint

Developer Tools: Smart Printing Developer Resource Kit, Honeywell Fingerprint Application Builder (IFAB)

Applications & Drivers: InterDriver Windows® Printer Driver, CUPS Driver for Linux, Device Types for SAP, BarTender Ultralite

Device Management: PrintSet, SmartSystems™, Wavelength Avalanche™

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

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

Additional Fonts: Support for TrueType and TrueType-based OpenType fonts, user-downloadable fonts

## ENVIRONMENTAL

Operating Temperature: +5° to +40°C (+40° to +104°F) @ 10–80% RH Non-Condensing

Storage Temperature: -40° to +60°C (-40° to +140° F) @ 85% RH

## ELECTRICAL

Input: 100–240V AC @ 50–60 Hz, 1.5 A, Energy Star Compliant

Output: 24V DC, 2.5 A

## MEMORY

Standard: 128 MB Flash, 128 MB RAM (DDR2)

Optional: Up to 32 GB (via user USB thumbdrive)

## OPTIONAL ACCESSORIES & UPGRADES

User Installable: 300 dpi, Cutter Unit with LTS, Label Dispenser with LTS, Front Label Tray, Linerless

Factory/Service Installable: HF RFID (13.56 MHz, ISO 15693); UHF RFID (EPC Class1 Gen2, ISO 18000-6C)

## APPROVALS

Regulatory: UL, cUL, cULus, CE, FCC Class A, D Mark CCC, KCC, RCM

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

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

## WARRANTY

One-year standard warranty

<sup>1</sup>PD43 supports two USB Host connectors.

For a complete listing of all compliance approvals and certifications, please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance).  
For a complete listing of all supported barcode symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies).

Bluetooth is a trademark or registered trademark in the US and/or in other countries of the Bluetooth SIG, Inc.

Cisco is a trademark or registered trademark in the US and/or other countries of Cisco Systems, Inc.

Oracle is a trademark or registered trademark in the US and/or other countries of Oracle Corporation.

Windows is a trademark or registered trademark in the US and/or other countries of Microsoft Corporation.

SmartSystems is a trademark or registered trademark in the US and/or other countries of Honeywell International Inc.

Wavelength Avalanche is a trademark or registered trademark in the US and/or other countries of Wavelength Corporation.

UFST is a trademark or registered trademark in the US and/or other countries of Monotype Imaging, Inc.

## Honeywell Sensing & Productivity Solutions

9680 Old Bailes Road

Fort Mill, SC 29707

800-582-4263

[www.honeywell.com](http://www.honeywell.com)

PD43-DS Rev B 10/15  
© 2015 Honeywell International Inc.

**Honeywell**