

PD43 & PD43c

4" 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 PD series' long tradition of reliable performance. 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—making it possible to maximize time between media resupply. Fast time-to-label and print speeds up to 200 mm/s (8 ips) ensure 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.

Add Honeywell's Medallion Complete Service Plan to ensure the highest levels of productivity, resource optimization, and uptime. For total protection, on-site support and preventative maintenance options are available.



Features

- **Incredibly Compact:** Small footprint for installation into compact tabletops and pull-out cabinets.
- **Built Strong:** Rugged metal chassis and print mechanism provide investment protection.
- **Easy to Use:** Intuitive, ten-language color display or icon interface simplifies setup and maintenance.
- **Built-In Command Languages:** Supports ESim, ZSim, DSim, IPL, and Direct Protocol right out-of-the-box.
- **Smart Printer:** Run apps right inside the printer, control peripherals, and eliminate the need for a connected PC, using either C# for Printers or Fingerprint.
- **Maintenance Made Easy:** Completely tool-free printhead and platen roller replacement.
- **Broad Media Compatibility:** Supports half- and one-inch ribbon cores, ink-in or ink-out.
- **Co-Engineered Media:** Extensively tested with Intermec co-engineered media products, ensuring optimized performance. Compatible with Honeywell's broad range of media products.
- **Available Accessories:** Customize with a wide range of available accessories such as a Wi-Fi/Bluetooth® module and cutter.

PD43 & PD43c Technical Specification

Physical Characteristics

| Model | Length | Width | Height | Weight |
|---|------------------|-----------------|-----------------|-------------------|
| PD43 with Standard Door | 470 mm (18.5 in) | 211 mm (8.3 in) | 249 mm (9.8 in) | 8.4 kg (18.5 lbs) |
| PD43 with Flat Top Door | 470 mm (18.5 in) | 211 mm (8.3 in) | 209 mm (8.2 in) | 8.3 kg (18.3 lbs) |
| PD43c | 236 mm (9.3 in) | 211 mm (8.3 in) | 205 mm (8.1 in) | 5.1 kg (11.2 lbs) |
| PD43c with Optional External Media Holder | 432 mm (17.0 in) | 211 mm (8.3 in) | 217 mm (8.5 in) | 6.0 kg (13.2 lbs) |

Media Compatibility

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|--------------------------|---|
| 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

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|----------------------|-------------------------------------|
| 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

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| 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

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|--|---|
| Standard Interfaces | USB Device, USB Host ¹ |
| Optional – via Adapter Cables | Internal Ethernet (NIC), Parallel Port, Serial Port |
| Optional – Factory/Service Installable | Bluetooth™ & 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

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|----------------------|--|
| 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

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|---------------------------|--|
| Native Graphic Formats | BMP, GIF, PCX, PNG |
| Barcode Symbolologies | All Major 1D, 2D, & Composite Symbolologies |
| Software | |
| Printer Command Languages | Direct Protocol, IPL, DSim (DPL), ESim (EPL), ZSim (ZPL), XML-Enabled for SAP All & Oracle® WMS |
| Smart Printing Languages | C# for Printers, Fingerprint |
| Developer Tools | Smart Printing Developer Resource Kit, Intermec Fingerprint Application Builder (IFAB) |
| Applications & Drivers | InterDriver Windows Printer Driver, Certified Device Types for SAP, BarTender Ultralite |
| Device Management | PrintSet, SmartSystems™, Wavelink Avalanche™ |
| Character Sets | English & Extended Latin, Arabic, Baltic & Baltic Rim, Cyrillic, Greek, Hebrew, Thai, Turkish, Vietnamese, & More with Monotype Universal Font Scaling Technology (UFST®) & WorldType Layout Engine (WTLÉ) |
| 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

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| 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

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| Input | 100-240V AC @ 50-60 Hz, 1.5 A, Energy Star Compliant |
| Output | 24V DC, 2.5 A |

Memory

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| Standard | 128 MB Flash, 128 MB RAM (DDR2) |
| Optional | Up to 32 GB (via User USB Thumbdrive) |

Optional Accessories & Upgrades

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|-----------------------------|--|
| 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

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| 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

¹PD43 supports two USB Host connectors



For more information:

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