# PX45 AND PX65 SERIES PRINTERS

## High-Performance Industrial Printers

**The PX45 and PX65 Series industrial printers are built to meet the needs of round-the-clock, mission-critical applications. These rugged printers deliver advanced connectivity and network protocols, ensuring peace of mind today and a reliable, scalable solution for the long haul.**

*The PX45 and PX65 Series industrial printers are flexible, compact, and programmable, enabling customers to optimize their printing operations, streamline deployment, and achieve quick return on investment.*

The rugged, all-metal PX45 and PX65 printers deliver outstanding performance – up to 12 inches per second from first label to last – and incorporate features that reduce downtime and minimize maintenance costs. Both versions are available with 203 or 300 dpi resolution, and the PX45 also offers 406 dpi, for precision labeling without any loss of speed. This is ideal for compliance labeling applications with variable data requiring immediate results.

The PX45 and PX65 printers' smart design features support increased productivity in demanding environments. As Smart Printers, they can host stand-alone applications, developed through the Fingerprint and C# programming languages, helping reduce errors and streamline operational processes.

The printers' device management and diagnostic capabilities – provided in web-based PrintSet 5 Configuration Management tool, configuration tool PrintSet MC for mobile devices and cloud-based Operational Intelligence– reduce downtime and simplify deployment. Replacing printheads is fast and easy, thanks to the magnetic QuickMount™ printhead design. The PX45 and PX65 printers are co-engineered and tested with Honeywell labels and other media products, optimizing performance when used with genuine Honeywell media.

## FEATURES AND BENEFITS

The PX45 and PX65 printers' compact, modular design facilitates integration into automated labeling applications.

Smart Printers can eliminate the PC and control other devices directly (such as scanners, scales, and applicators), improving efficiency and decreasing infrastructure costs and complexity.

With user-selectable, all-in-one printer command languages (DP/FP, IPL, ZSim, DPL), the PX45 and PX65 printers fit with drop-in simplicity in mixed printer environments, supporting fast deployment.

Every printer ships with 10/100 Mbps Ethernet connectivity and high speed USB ports, ensuring long-term, enterprise scalability. Multiple interface options are available.

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# **PX45 and PX65 Series Printers** Technical Specifications

## PHYSICAL CHARACTERISTICS

**PX45:**

**L x H x W:**
482 mm x 238 mm x 275 mm
(19.0 in x 9.4 in x 10.8 in)

**Weight:**
12.61 kg (27.87 lbs)

**PX65:**

**L x H x W:**
482 mm x 238 mm x 335mm
(19.0 in x 9.4 in x 13.2 in)

**Weight:**
14.1 kg (31.12 lbs)

## PX45/65 PRINT SPECIFICATIONS

**Max. Width:**

**PX45:** 112 (DT)/110 (TT) mm (4.4/4.3 in)

**PX65:** 167.4 mm (6.59 in)

## WIRELESS CONNECTIVITY

**WLAN:**

IEEE 802.11 a/b/g/n/ac
Wi-Fi Certified
WEP, WPA, WPA2, 802.11x (EAPTTLS, LEAP, PEAP, FAST)

**RFID Standards & Frequencies**

Supports UHF EPC Gen 2 V2.1, ISO/IEC Generation 2

865-928 MHz radio configured to comply with local UHF RFID regulations including FCC and ETSI. Contact local representative for availability in particular region.

## PRINT SPEED

**PX45:**

**At 203/300 dpi:** 100–300 mm/s (4–12 ips)

**At 406 dpi:** 100–250 mm/s( 4–10 ips)

**PX65:**

**At 203/300 dpi:** 100–225 mm/s (4–9 ips)

**Print Resolution**

**PX45:**

**At 203 dpi:** 8 dots/mm

**At 300 dpi:** 11.8 dots/mm

**At 406 dpi:** 16 dots/mm

**PX65:**

**At 203 dpi:** 8 dots/mm

**At 300 dpi:** 11.8 dots/mm

## BARCODES/FONTS/GRAPHICS

**Barcode Symbologies:** All major 1D and 2D symbologies 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:** 256 MB

## USER INTERFACE LANGUAGES

**On Full Touch LCD and Web Interface:**
English, Russian, German, French, Portuguese, Spanish, Italian, Korean, Thai, Japanese, Simplified and Traditional Chinese

## POWER SUPPLY

**On Full Touch LCD and Web Interface:**

**AC Voltage:** 90 to 265V AC, 45 to 65 Hz

**Power Consumption:** Standby 5W; Peak 400W

## MEDIA SPECIFICATION

**Type:** Labels and Tags and Linered media

**Max./Min.Width:**

**PX45:** 120/25.4 mm (4.72/1 in)

**PX65:** 170/76 mm (6.70/3 in)

**Thickness:** 2.4 to 10.0 mil

**Configuration:** Roll-fed or fan-fold

**Media Sensing:** Gap, Notch, Black mark, Continuous, Media low, Media end

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

**Label Roll Max.Diameter:** 213 mm (8.38 in)

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

**Type:** Wax, mid-range, resin

**Ribbon Specification:**

**Type:** Wax, mid-range and resin

**Max.Ribbon Diameter:** 80mm (3.15in)

**Genuine Honeywell Media:**
https://sps.honeywell.com/us/en/products/productivity/printer-supplies

## INTERFACES

**Standard:**

Ethernet 10/100 Mbps

USB 2.0 Host High Speed

USB 2.0 Device High Speed

RS-232, up to 115.2 KB/s

**Optional:**

**Parallel:** IEEE 1284

**Industrial Interface:** 8 digital in/out, 4 analog relays, 1 RS-232/422/485 port

Dual Serial Ports: RS-232, RS-422, RS-485, and 20 mA Current Loop

Applicator Interface

**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)

ZSim2 (ZPL-II)

DPL

XML-enabled for SAP AII 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.

## 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:**
10 to 90% non-condensing

**Storage Humidity:**
10 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 PX45 and PX65 Accessory Guide for full details.**

RFID, parallel interface board, additional serial interface board*, industrial interface board*, applicator interface board**, media supply hub, cutter

*Not applicable when using IPL firmware.

** Supported for Direct Protocol and Fingerprint printer languages.

## For more information

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