

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

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 10/100/1000 Mbps Ethernet connectivity and high speed USB ports, ensuring long-term, enterprise scalability. Multiple interface options are available.

**Honeywell**

# 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:**

12.6 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)

**Max. Width:**

**At 203 dpi:** 4095 mm (161 in)

**At 300 dpi:** 2775 mm (109 in)

**At 406 dpi:** 1016 mm (40 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 18000-6C / EPC 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 Symbolologies:** All major 1D and 2D  
symbolologies are supported

## For more information

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

## Honeywell Safety and Productivity Solutions

855 S Mint St  
Charlotte, NC 28202  
800-582-4263  
[www.honeywell.com](http://www.honeywell.com)

**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 4000W

## MEDIA SPECIFICATION

**Type:** Labels and Tags and Lined 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](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):

OplIntel - 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.

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NOTE: There is no specific reference to "Apple" in this document.

PX45 and PX65 Series Printers Datasheet LTR | Rev A | 05/22  
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