



INDUSTRIAL

PM45

The Honeywell PM45 is built for smart label solutions that help enterprises enhance automation and intelligence in manufacturing and supply chain management for high operating efficiency.

Overview



Enterprises today are facing increasing challenges on production flexibility, inventory turnover, and cost control. The Honeywell PM45 industrial printer is designed to give businesses the flexibility and precision for high-volume printing. The PM45 printer’s track-and-trace functionality is aimed at improving print efficiency and supply chain transparency within a variety of industries, including food and beverage, pharmaceuticals, manufacturing, warehouse, and distribution center management. Built on the Honeywell print platform, the durable PM45 printer offers print speeds of up to 14 ips. With print registration of up to +/-0.5 mm, the PM45 printer can ensure high-quality prints for barcodes, texts, and images, even on small electronic components and medical device labels.

As a highly connected industrial printer, the PM45 is packed with enhanced WWAN connectivity to enable deployment with minimal limitation from site network topology. The PM45 printer’s versatility allows the user to incorporate RFID, parallel, industrial, and applicator interfaces to address unpredictable future business needs. To help your transformation to intelligent manufacturing and supply chain management, the PM45 printer supports variable network protocols and multiple print languages to enable easy integration into your system, whether it is cloud-based or on a local server.

Embedded with Honeywell’s Smart Parse software, the PM45 allows for quick position changes, sizing of objects and barcodes, or font type on labels, without the need for backend system changes or programming skills. With Honeywell’s Operational Intelligence software, users can remotely manage and monitor the PM45 printer’s diagnostics and output performance. The PM45 supports a wide range of media – including ink-in and ink-out ribbons with a 1-inch core size – enhancing the time between media resupplies.

The PM45 printer is an ideal replacement for existing Honeywell or mixed printers, especially with Honeywell’s firmware platform supporting multiple print languages. A rugged, all-metal print mechanism, easy printhead, and tool-free platen roller replacement helps minimize downtime and maintenance needs.

Specifications

FEATURES

Features
<ul style="list-style-type: none">• Accurate & reliable high speed printing• Broad connectivity options
Application

- Food and beverage
- Healthcare
- Warehouse and distribution center

Compatible Software

- BarTender
- Nicelabel
- Operational Intelligence
- SOTI Connect
- Teklynx Labelview

Compatible Drivers

- CUPS Driver for Linux
- Certified Device Types for SAP
- InterDriver Windows

DIMENSIONS

Overall Dimensions

- PM45: L x H x W: 483 mm x 295mm x 284 mm (19.0 in x 11.11.6 in x 11.2 in)
- PM45c with Mega Door: L x H x W: 500 mm x 245 mm x 253 mm (19.7 in x 9.6 in x 10.0 in)
- PM45c: L x H x W: 432 mm x 181 mm x 253 mm (17.0 in x 7.1 in x 10.0 in)

Weight

- PM45: 13.2 kg (29.1lbs)

PRINTING SPECIFICATIONS

Resolutions

- 203 dpi
- 300 dpi
- 406 dpi
- 600 dpi

Print Speeds

- 50-350mm/s (2-14 ips)

Print Method

- Direct Thermal
- Thermal Transfer

SOFTWARE & FIRMWARE

2D Barcodes

- All major 2D barcodes

Downloadable Font Type

- Bitmap Font
- OpenType Font (TrueType based)
- TrueType Font

Linear Barcodes

- All major 1D barcodes

Printer Command Language

- C# Smart Printing
- DPL
- Direct Protocol (DP)
- Fingerprint (FP)
- Intermec Printer Language (IPL)
- PDF
- XML-enabled for SAP AI and Oracle WMS
- ZSim2 (ZPL-II)

Image File Format

- BMP
- GIF
- PCX
- PNG

Font Engine

- Monotype Font Engine
- WTLE for Global Language Support

MEDIA

Printer Media Type

- Label
- Lined
- RFID
- Tag

Maximum Ribbon Length

- 450 m (1476 ft) foot

Maximum Media Roll Diameter

- 213 mm (8.38 in) inch

NETWORK

Wireless Communication

- IEEE 802.11 a/b/g/n/ac
- TLS, PEAP, TTLS, PWD, LEAP, FAST
- WWAN Radio
- Wi-Fi Certified

RFID Specifications

- RFID

Network Specifications

- Ethernet 10/100 Mbps

Bluetooth Specifications

- Bluetooth Classic 5.0

MEMORY & DATA

RAM Memory

- 256 MB megabyte

Flash Memory

- 512 MB megabyte

Memory

- External Multi-GB USB memory device (FAT16/FAT32)

HARDWARE

Printer Connection Interface

- Applicator Interface
- Industrial interface
- Parallel Interface (IEEE 1284)
- RFID
- RS-232
- USB 2.0 Host (x2 PM45, x1 PM45C)

ELECTRICAL

Operating Frequency

- 50 - 60 Hz

Operating voltage

- AC Voltage: 100 to 240V AC, 50 to 60 Hz

ENVIRONMENTAL

Operating Humidity

- 20 - 85 % non-condensing

Operating temperature

- +41°F to +104°F
- +5°C to +40°C

Storage Humidity

- 5 - 90 % non-condensing

Storage Temperature

- -20°C to +70°C (-4°F to +152°F)

SERVICE TERMS

Warranty Duration

- One year factory warranty

OTHERS

Platform

- Honeywell Printer Edge

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