



Honeywell PM45 & PM45c

- ✓ Highest print quality in harsh industrial environments
- ✓ Optionally with mobile radio module for flexible installation
- ✓ Easy integration through numerous protocols and printing languages
- ✓ Durable, robust construction with easy maintenance
- ✓ Extensive options for precise configuration

Features

Print technology: thermal transfer, direct thermal

Print width (max.): 4.27 inch (108 mm)

Print resolution (max): 600 dpi

Print speed (max.): 350 mm/sec.

Media width: 19 to 114 mm

Media thickness: 0.08 - 0.26 mm

Media roll outer diameter (max.): 213 mm

Media types: Labels, tags and media with liner

Media sensors: Transmitted, Blackmark, Continuous, Media Low/End, Label Removed, Ribbon Low/End, Printhead Raised

Ribbon outer diameter (max.): 80 mm

Printer languages: Fingerprint (FP), Direct Protocol (DP), Intermec Printer Language (IPL)3, ZSim2 (ZPL-II), DPL, XML-enabled for SAP® All and Oracle® WMS, PDF, C#

Compatible with: Windows, Linux, SAP

Connectivity: WLAN, mobile radio, Bluetooth, Ethernet, USB, RS-232, opt. interface modules: Parallel, industrial, applicator, RFID

Operating temperature: 5 - 40 °C

Dimensions (L x H x W): PM45: 483 x 295 x 284 mm, PM45c: 432 x 181 x 253 mm, PM45c with Mega Dome: 432 x 181 x 253 mm

Weight: 12.6 - 13.2 kg

Optional accessories

Cutter

Integral self-strip unit with liner takeup

Label taken sensor (LTS)

Media low sensor

Media supply hub

Collapsible rewinder core

Full batch label/liner rewinder

Various interface modules

PHYSICAL CHARACTERISTICS

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)
Weight: 13.2 kg (29.1lbs)

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: 12.6 kg (27.7 lbs)

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)
Weight: 12.8 kg (28.0 lbs)

PM45/45C PRINT SPECIFICATIONS

Max.Width at 203 dpi: 108 mm (4.25 in)
Max.Width at 300 dpi: 105.7 mm (4.17 in)
Max.Width at 406 dpi: 104 (4.09 in)
Max.Width at 600 dpi: 105.6 mm (4.16 in)
Max.length at 203 dpi: 4.8 m (189 in)
Max.length at 300 dpi: 2.2m (85in)
Max.length at 406 dpi: 1.2 m (47.2 in)
Max.length at 600 dpi: 0.55m (22in)

WIRELESS CONNECTIVITY

WLAN: IEEE 802.11 a/b/g/n/ac;
Wi-Fi certified, 1x1 SISO

Additional WLAN Features:
802.11d/e/h/i/k/r

Security: OPEN, WEP, WPA/WPA2
(Personal and Enterprise),

Supported EAP: TLS, PEAP, TTLS, PWD,
LEAP, FAST

Bluetooth: V5.0 Bluetooth and BLE
Supported

WWAN: WWAN Radio

CAT4 LTE Modem

MIMO - Main/Rx-diversity

LTE FDD: B1/B2/B3/B4/B5/B7/B8/
B12/B13/B18/B19/B20/B25/B26/B28

LTE TDD: B38/B39/B40/B41

UMTS: B1/B2/B4/B5/B6/B8/B19

GSM: B2/B3/B5/B8

Slot: Micro Sim Card slot x 1

PRINT SPEED

At 203 dpi: 50-350 mm/s (2-14ips)
At 300 dpi: 50-300 mm/s (2-12ips)
At 406 dpi: 50-250 mm/s (2-10ips)
At 600 dpi: 50-150 mm/s (2-6ips)

PRINT RESOLUTION

At 203 dpi: 8 dots/mm
At 300 dpi: 11.8 dots/mm
At 406 dpi: 16 dots/mm
At 600 dpi: 23.6 dots/mm

PM 45/45C MEDIA SPECIFICATION

Type: Labels and Tags and Lined media

Max./Min.Width:

114/19 mm (4.5/0.75 in)

Thickness: 3 mil to 10.4 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: 152 mm (6 in)
for PM45c long door models; 213 mm
(8.38 in) for all other models of PM45/
PM45c

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

RIBBON SPECIFICATION:

Type: Wax, mid-range and resin

PM45:

PM45 Roll Max. Diameter: 80 mm
(3.15 in), capacity of 450 m (1,476 ft)

PM45c:

PM45c Roll Max. Diameter: 61 mm
(2.40 in), capacity of 229 m (751 ft)

Media:

Ribbon Core ID: 25mm (1 in)

INTERFACES

Standard:

Ethernet 10/100 Mbps

USB 2.0 Host (x2 PM45, x1 PM45C)

USB 2.0 Device

RS-232, up to 115.2 KB/s

Optional:

Parallel Interface (IEEE 1284)

Industrial interface – eight digital
in/out, four analog relays, one
RS232/422/485 port

Applicator Interface – Ext Error 8-pin
mini-DIN, Z-style standard DB15 port,
S-style standard 14-pin Centronics, Ext
Power 6-pin mini-DIN

RFID – Supports EPC Class 1 Gen2,
18000-6C. Radio configured to comply
with local UHF RFID regulations
including FCC and ETSI. Contact local
representative for availability in particular
region.

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)³

ZSim2 (ZPL-II), DPL, XML-enabled for
SAP® All 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; Print Set MC (Android™
and Apple® iOS) for printer configuration
via Bluetooth LE only

BARCODES/FONTS/GRAPHICS

Barcode Symbolologies: All major 1D and
2D symbolologies 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 WTL

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: 256MB

USER INTERFACE

Full Touch UI, Icon UI

USER INTERFACE LANGUAGES

On Full Touch LCD and Web Interface:

English, Russian, German, French,
Portuguese, Spanish, Italian, Korean,
Thai, Japanese, Simplified and
Traditional Chinese