

# MOBILE PRINTER

## MPD31D

### 3-Inch Mobile Printer

The MPD31D is a light weight mobile printer with best in-class performance and economical price. It can be used in manufacturing, warehouse, logistics, retail, public utilities and healthcare.

MPD31D is a 3-inch unit which can support 1D, QR code, image. It can also work with mobility devices as a total solution. Other benefits include:

MPD31D can support both receipt and label printing. Compatible with black mark paper, gap label, seam paper, continuous paper, lineless paper.

- **Easy to Carry**

Small size and light weight up to 368g, easy to carry in different scenarios

- **Powerful Performance**

90 mm/s (3.5ips) high-speed printing and strong battery power support printing 300 meters continuously.

- **Open Integration**

Support various Intelligent Terminals, PDA integration printing. Provide Android, IOS to integrate with 3rd party terminals. Support customized local language for different regions.

- **Easy to change media**

Flexible label and receipt change, just 3 Steps within 1 min to change between two print modes.



*The MPD31D are fast mobile label printers for use in the most rugged environments. They feature the latest wireless technology for easy, untethered use, increasing worker productivity.*

## FEATURES AND BENEFITS



Ultra-rugged design:  
1.5 m (4.9 ft) drop tested,  
tested to 1000 0.5 m (1.5  
ft) tumbles, IP54 dust and  
moisture ingress and wide  
operating temperature range.



Fast boot up and prints receipts  
up to 3.5 inches per second.



High-capacity battery.  
Battery age provided as  
part of printer analytics.



Can support both receipt  
and label printing.

# MPD Series Technical Specifications

## MECHANICAL

### Dimensions:

105 mm x 108 mm x 51 mm  
(4.1 in x 4.3 in x 2.2 in)

**Printer Weight:** 0.4 kg (0.9 lb) (with battery, no media)

## ELECTRICAL

**Power Supply:** 1 AC Connector case

**Sound:** Beeper

**Adapter:** 5V 2A

**Battery:** 7.4V 2100mAh

**Charging Time:** 3.5H (0°C ~40°C)

**Battery Operation Time:**

72H (Stand-by time)

**RAM:** 64 MB

**Flash:** 64 MB

**Display:** OLED Single Color: Blue

## MEDIA

**Media Roll Width (±0.5):** 79mm (3.11 in) / 61mm (2.4 in) / 45mm (1.77 in)

**Media Thickness:** < 0.18 mm (0.007 in)

**Media Roll Dimension:** < 43 mm (1.7 in)

**Media Height:** 20 mm (0.8 in) to 300 mm (11.7 in)

**Effective Print Width:** 72 mm (2.8 in)

**Media Types:** Thermal paper

**Maximum Roll Capacity:** Ø43mm (1.7 in)

**Paper Cutting Method:** Tear Bar

For optimum print quality and printer performance, use certified Honeywell media supplies.

## MEDIA LIST

Direct Thermal Lined Labels - 1" Core ID, 2.25" Roll OD	3.0" x 1.0", 405/roll - PERM
	3.0" x 3.0", 145/roll - PERM
	3.0" x 4.0", 110/roll - PERM
Uncoated Direct Thermal Label	3" x 5", 0.75" Core ID, 2.25" Roll OD, (0.125" gap), Duratherm II
Top-coated Direct Thermal Label	3" x 5", 0.75" Core ID, 2.25" Roll OD, (0.125" gap), Duratherm III
Floodcoat Label	Duratherm II Floodcoated (NTC) 3.0" x 5" Duratherm III Floodcoated (TC) 3.0" x 5"

## COMMUNICATIONS

Micro USB, BT4.0+BLE

## OUTPUT

### Character Sets:

Standard ASCII Font (9X17,12X24)

Chinese characters (24x24)

English (ASCII)

## ACCESSORIES

- Label sw
- Driver sw and CD
- QSG/User Manual
- Battery
- USB Cable
- Label Paper (Optional)
- Belt Buckle (Optional)
- Carrying Bag (Optional)
- Shoulder Strap (Optional)

## REGULATION

CE, FCC, ROHS DOC, ROHS Test Report

### Barcode:

**1D:** UPCA, UPCE, EAN13, EAN8, Code39, I25, CodeBar, Code93, Code128, Code11, MSI

**2D:** QR Code, PDF417, DataMatrix

## ENVIRONMENTAL

Meets IP54 dust and water ingress rating

**Drop Specification:** 1.5 m (4.9 ft)

**Operating Temperature:** -10°C to 50°C (14°F to 122°F)<sup>1</sup>

**Storage Temperature:** -20°C to 70°C (-4°F to 158°F)

**Charging Temperature:** 0°C to 45°C (32°F to 113°F)

**Operating Humidity:** 20 to 85% RH (non-condensing)

**Storage Humidity:** 5 to 95% RH (non-condensing)

## SOFTWARE/FIRMWARE

**Compatibility:** CPCL, TSPL, ZPL, ESC/POS

**Drivers:** Microsoft® 8, and 10

**Label-Design Software Compatibility:** BarTender®, NiceLabel®

**Software Development Kit:** Android™ 4.1 and above; Apple iOS 7,8; Microsoft Windows® Desktop up to Windows 10, Windows Mobile and Windows CE; C++, C-Sharp, Java, ActiveX Control

## USAGE FEATURES

**Intelligent Backlit Icons:** On/Off Button, Battery Charge, Battery Life, Media Status, Communication Status

**Media:** Drop-in/easy-to-load media, adjustable media arms

*\*For use in MPD Series printers equipped with linerless option only*

## MPD31D CAN ENABLE

- A warehouse operator to print product shipment label and enter what has been loaded/shipped easily, so as to minimize check time and cost.
- A retail operator to print product receiving label and enter what has been received.
- A retail shelf operator to change the pricing label dynamically.
- A courier to print and issue receipts to the customer on the spot.

## ORDERING

MODEL	DESCRIPTION
MPD31D111	3" mobile printer, EU AC
MPD31D112	3" mobile printer, US AC
MPD31D113	3" mobile printer, India AC
MPD31D114	3" mobile printer, UK AC

<sup>1</sup>It is recommended to use low-temp mode to get better printing performance when the temperature is at or below 0°C.

For a complete listing of all compliance approvals and certifications, please visit [www.honeywell.com/PSScompliance](http://www.honeywell.com/PSScompliance)

For a complete listing of all supported barcode symbologies, please visit [www.honeywell.com/PSS-symbologies](http://www.honeywell.com/PSS-symbologies)

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## For more information

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

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