

# 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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