

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 (1.7 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)¹

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

¹It 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

For a complete listing of all supported barcode symbologies, please visit www.honeywell.com/PSS-symbologies

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For more information

sps.honeywell.com

Honeywell Safety and Productivity Solutions

855 S Mint St
Charlotte, NC 28202
800-582-4263
www.honeywell.com