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 & 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.

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MPD Series Technical Specifications

MECHANICAL

Dimensions (H x W x D): 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 3.5*1.5

Sound: Beeper

Adapter: 12V 1A

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: 58mm(2.3 in) to 80mm (3.1 in)

Media thickness: < 0.18mm(0.007 in)

Media Roll Dimension: < 43mm(1.7 in)

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

Effective Print Width: 72 mm (2.8 in)

Media Types: Thermal paper

Maximum Roll Capacity: Φ43mm (1.7 in)

Paper Cutting Method: Tear Bar

Core Sizes: 10.16 mm (0.4 in), 19 mm (0.75 in), or 25.4 mm (1.0 in) inside diameter

Media Thickness: 0.05 mm (2 mil) to 0.16 mm (6.3 mil)

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

Media List

Direct Thermal Linered 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)

User defined characters,

Chinese characters(24×24)

~~simplified Chinese (2312),~~

English (ASCII),

~~simplified Chinese (18030 or GBK)~~

ACCESSORIES

Label sw, Driver sw and CD, QSG/User Manual, Battery, USB Cable, Label Paper(Optional), Belt Buckle(Optional), Carrying bag(Optional), Should 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

Storage Temperature: -20°C to 70°C

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

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MPD Series Technical Specifications

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

For more information
www.honeywellaidc.com

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