# MPD31D

3 Inch Mobile Printer

The YuShi Mobility is light-weight mobile printer with best cost/performance. It can be used in manufactory, warehouse, logistics, retail, public sector, healthcare.

MPD31D is a 3 inch unit which can support one dimension code, QR code, image, curves printing. It can also work with smart terminal devices like mobility as total solution. Other benefits include:

MPD31D can support both receipt and Label printing .Compatible for black mark paper, gap label, successive paper, seam paper, Sewing 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 high speed printing and strong battery power support printing 300 meters continuously.

- **Open Integration**

Support all kinds of Intelligent Terminals, PDA integration printing .Provide Android, IOS, Windows SDK 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 that can be swapped out without resetting the printer or losing connectivity. Battery age provided as part of printer analytics.

The printers can support labels with and without a liner, and sense gaps between labels or black marks on the top or bottom of the media.

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# YuShi 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*DC Connector 3.5*1.5

**Sound:** Beeper

**Adapter:** 12V 1A

**Battery:** 7.4V 2100mAh

**Charging time:** 2H (0C ~40C)

**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(.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),
Traditional Chinese, English, Japanese, Korean and User defined characters can download to FLASH or RAM.

## ACCESSORIES

Label sw, Driver sw and CD, QSG/User Manual, Battery, Charger, USB Cable, Label Paper(Optional), Belt Buckle(Optional), Vehicle charger cable(Optional), Straps(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

## ENVIRONMENTAL

Meets IP54 dust and water ingress rating

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

**Operating Temperature:** 0°C to 40°C

**Storage Temperature:**    -20°C to 70°C

**Charging Temperature:** 0°C to 50°C (32°F to 122°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, 4 in printer fan fold slot

**Proactive Maintenance:** Sensors for reporting printer usage information (battery, printhead, environmental) and management console

* For use in MPT Series printers equipped with linerless option only

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# YuShi 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, so as to simplify manage Product Price.
- a filed servicer to print receipts and share with customer directly and immediately.

**Ordering**

| Model | Description |
|---|---|
| MPD31D111 | 3 Inch Mobile Printer |

For more information
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