



Mobile Barcode Printer

MP121/MP131



Print Method
Direct Thermal



Sealing
IP54 (with protective case)



Drop Spec.
1.5m



Print Width
2" / 3"



Warehouse



Logistics



Retail



Field Service



Manufacturing



MP121

Specification

Update Date: 2021. 03.05

Physical Characteristics

Dimensions	129.55 mm * 84 mm * 51 mm (5.1"x3.3"x2.0")
Weight	325g
Color	Black
Control Panel	<ul style="list-style-type: none">4 dual color LEDs for Power, Battery, Communication and Error status indication3 buttons for Power, Feed and BT functions

Printer Specifications

CPU	32 Bit RISC CPU
Memory	<ul style="list-style-type: none">32MB SDRAM128MB Flash ROM (60 MB for user storage)
Print Method	Direct Thermal
Resolution	203 dpi (8 dots/mm)
Print Speed	Up to 4 IPS (101.6 mm/s)
Print Width	1.89" (48 mm)
Print Length	45" (~1142 mm)
Sensor Type	Gap sensor, Fixed transmissive sensor, Fixed reflective sensor

Media Characteristics

Media Type	<ul style="list-style-type: none">Direct Thermal receipt, anti-UV receipt, gap label, center alignmentInter-label gap size from 2 mm to 4 mm. 3 mm preferred
Media Width	2.28" (59 mm) fixed
Media Thickness	Min. 0.0508 mm, Max. 0.165 mm
Media Roll Diameter	Max. 1.57" (40 mm)

Communication Interfaces

Supported Host Interfaces	<ul style="list-style-type: none">RS232 + USB 2.0 port, mini-B type connectorBluetooth 2.1 + EDR
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Power

Battery	Rechargeable DC 7.4 V Lithium-ion battery, 1150 mAh or higher capacitance
Power Adapter	<ul style="list-style-type: none">Switching power supplyI/P: 100 / 240 V AC, 50 / 60 Hz, DC 9 V / 2.2 A

Printer Language, Fonts and Barcodes

Printer Language	GPOS Emulations or EZPL / GZPL / GEPL /GDPL Emulations
Resident Fonts	<ul style="list-style-type: none">Bitmap Fonts: 6, 8, 10, 12, 14, 18, 24, 30, 16x26 and OCR A & B. 0°, 90°, 180°, 270° rotatableTTF Fonts: TTF Fonts (Bold / Italic / Underline). 0°,90°, 180°, 270° rotatable
Download Fonts	<ul style="list-style-type: none">Bitmap Fonts: 90°, 180°, 270° rotatable, single characters 90°, 180°, 270° rotatableAsian Fonts: 16x16, 24x24. Traditional Chinese (BIG-5), Simplified Chinese (GB2312), Japanese (S - JIS), Korean (KS -X1001). 90°, 180°, 270° rotatable and 8 times expandable in horizontal and vertical directionsTTF Fonts: TTF Fonts (Bold / Italic / Underline). 0°,90°, 180°, 270° rotatable

Barcode Symbologies

- 1-D Barcodes:** China Postal Code, Codabar, Code 11, Code 32, Code 39, Code 93, Code 128 (subset A, B, C), EAN-8/EAN-13 (with 2 & 5 digits extension), EAN 128, FIM, German Post Code, GS1 DataBar, HIBC, Industrial 2 of 5, Interleaved 2-of-5 (I 2 of 5), Interleaved 2-of-5 with Shipping Bearer Bars, ISBT-128, ITF 14, Japanese Postnet, Logmars, MSI, Postnet, Plessey, Planet 11 & 13 digit, RPS 128, Standard 2 of 5, Telepen, Matrix 2 of 5, UPC-A/UPC-E (with 2 or 5 digit extension), UCC/EAN-128 K-Mart and Random Weight
- 2-D Barcodes:** Aztec code, Code 49, Codablock F, Datamatrix code, MaxiCode, Micro PDF417, Micro QR code, PDF417, QR code, TLC 39, GS1 Composite

Code Pages

- CODEPAGE 437, 850, 851, 852, 855, 857, 860, 861, 862, 863, 865, 866, 869, 737
- WINDOWS 1250, 1251, 1252, 1253, 1254, 1255, 1257
- Unicode UTF8, UTF16BE, UTF16LE

Graphics

Resident graphic file types are BMP and PCX, other graphic formats are downloadable from the software

User Environment

Operating Temp.	-10~50°C (14~122 °F)
Storage Temp.	-20~60°C (-4~140°F)
Humidity	10%~90% non-condensing
Sealing	Intrusion Protection, IP42 requirement for case design, IP54 for protective case
Drop Spec.	1.5m

Regulatory Compliance

Certifications	BSMI/ CE/ NCC/ CB
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Software

Design Software	iMotion Label Design Software (for EZPL only)
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Driver Vista, Windows 7, Windows 8 & 8.1, Windows 10,
Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019,
MAC, Linux

SDK Win CE, .NET, Windows Vista, Windows 7, Windows 8 &
8.1, Windows 10, Android

Accessories

- Accessories**
- Thermal Paper Roll * 1
 - Belt Strap
 - Lithium-ion Battery
 - USB cable
 - RS-232 cable (optional)
 - 4-bay battery charger station (optional)
 - Car charger adapter (optional)
 - Protective case (optional)

MP131

Specification

Update Date: 2021. 03.05

Physical Characteristics

Dimensions 170.63 mm * 114.01 mm * 79 mm (6.71"x4.48"x3.11")

Weight 660g, with battery

Color Black

Control Panel

- 4 dual color LEDs for Power, Battery, Communication and Error status indication.
- 3 buttons for Power, Feed and BT functions

Printer Specifications

CPU 32 Bit RISC CPU

Memory

- 32MB SDRAM
- 128MB Flash ROM (60 MB for user storage)

Print Method Direct Thermal

Resolution 203 dpi (8 dots/mm)

Print Speed Up to 4 IPS (101.6 mm/s)

Print Width 2.8" (72mm)

Print Length 30" (~762mm)

Sensor Type Gap sensor, Fixed transmissive sensor, Fixed reflective sensor

Media Characteristics

Media Type

- Direct Thermal receipt, anti-UV receipt, gap label, left side alignment.
- Inter-label gap size from 2 mm to 4 mm. 3 mm preferred

Media Width Max. 3.15" (80 mm), Min. 1.5" (38.1mm)

Media Thickness Min. 0.0508 mm, Max. 0.165 mm

Media Roll Diameter Max. 2.35" (60 mm) on 0.5"(12.5mm) core

Communication Interfaces

Supported Host Interfaces

- RS232 + USB 2.0 port, mini-B type connector
- Bluetooth 2.1 + EDR

Power

Battery Rechargeable DC 7.4 V Lithium-ion battery, 2500mAh or higher capacitance

Power Adapter

- Switching power supply
- I/P: 100 / 240 V AC, 50 / 60 Hz, DC 9 V / 2.2 A

Printer Language, Fonts and Barcodes

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Accessories

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- Thermal Paper Roll*1
 - Shoulder Strap
 - Lithium-ion Battery
 - USB cable
 - RS-232 cable (optional)
 - 4-bay battery charger station (optional)
 - Car charger adapter (optional)
 - Protective case (optional)
 - WiFi module (comply with IEEE 802.11b/g/n)
(optional)