tidirefi
PRINTERS , INKS & SPARE PARTS

DATA SHEET

TIJ HANDHELD PRINTER WI-FI

K112NMW

12.7 mm
max. printing height

2400 dpi
max. horizontal resolution

4.3"
touchscreen

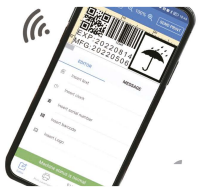
2600 mAh
built-in lithium battery

Wi-Fi Connection APP Wireless Control. Calculate printing cost in real time.



About the product

- **Wi-Fi connection APP:** wireless control (iOS and Android).
- **Calculate printing cost** in real time.
- **Fast and easy high resolution printer.**
- **Printhead** of 0.5 inch: from 1 mm to 12.7 mm.
- **Uniform print:** no external encoder required for optimal printing.
- **New built-in hidden encoder** and comfortable handle with ergonomic design.
- **Up to 5 levels** of print density and powerful customization features.
- **Easy printing at low cost.**
- **The only manufacturer to offer** a 2-year extended warranty.



Wireless control by App



42 ml ink cartridge



Solid-state electronic boards, military-grade resistance

Operating system

Intelligent embedded FreeRtos system.

Efficient and flexible variable database functions to suit any type of traceability applications.

Embedded powerful drop consumption of specific algorithms that instantly calculate printing costs for the customer.

High speed printing

For dynamic traceability.

New built-in hidden encoder.

Comfortable handle with ergonomic design.

Product with powerful customization features.

Up to 5 levels of print density.

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Machine parameters

Operating system	FreeRtos system
Display screen	4.3" touchscreen interface
Hardware	NXP RT1052MCU
COMM ports	USB (type C)
Communication module	Wi-Fi module (wireless control by App)
Nozzle installation	Built-in integrated sprinkler head (including built-in hidden encoder)
Supported languages	Multilanguage
Power supply	Input: AC 100-240 V / Output: DC 5 V 2 A
Battery parameters	Built-in lithium battery 7.2 V 2600 mAh
Housing material	ABS UV
Dimensions	189.6 mm x 136.6 mm x 93.4 mm
Working environment	Temperature: 0-45 ℃ / Humidity: 30-70 %



Printhead features

Nozzle type	TIJ 2.5 thermal printhead
Print resolution	Vertical: 100 dpi, 150 dpi / Horizontal: 10-2400 dpi
Printing height	From 1 mm to 12.7 mm
Printing lines	Can print any lines in the printing height range
Printing content	Text / time / date / images / database / serial number. Barcode type: CODE128, CODE39, EAN13, UPCA, UPCE; QR code type: QRCode, DataMatrix
Printing material	Cardboard / plastic / metal / plate / pipe / stone / cable / electronic components / auto parts / industrial chemical packaging / pharmaceutical food gift boxes
Ink type	Food grade, solvent, water-based ink. 42 ml cartridge
Ink color	Black / white / red / yellow / blue / green / stealth / UV
Cartridge chip	Contactless chip RFID tags, automatic identification and recording ink of the ink remaining parameters

Where it can mark

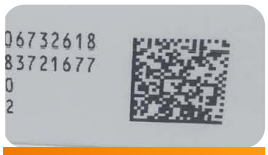

Packing cardboard


Medicine


Furniture and wood


Food packaging

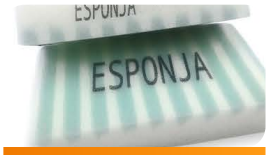

PET plastic


Dynamic QR code



Security label


Security UV ink



Porous materials



Crystal