MEFERI



MP4000D

Dual-Technology Desktop Printer

The Ultimate Barcode and Label Printing Solution: Your Trusted Partner for Manufacturing, Logistics, Warehousing, and Retail Labeling Needs

Master Barcode and Label Printing

The MP4000D combines Direct Thermal and Thermal Transfer printing for barcode, product, and logistics labels. It supports 1D/2D barcodes on paper, polymer, and textile media, while compatibility with ZPL, TSPL, DPL, and EPL ensures seamless integration.

Engineered for Industry Performance

From 203 dpi precision printing to a rapid 5.98 inches/second speed, the MP4000D delivers high clarity and efficiency for compliance labeling and inventory management. Its 128MB RAM ensures seamless handling of graphics-heavy labels, making it ideal for high-demand environments.

Seamless Integration and Connectivity

Designed to integrate effortlessly with ERP, WMS, and CRM systems, the MP4000D is your key to streamlined operations. With support for BarTender REST API, USB, Ethernet, and RS-232 interfaces, it ensures reliable connectivity across Windows, Linux, and Android platforms.

Optional Modules for Customization

Enhance the MP4000D's functionality with optional add-ons, including a Wi-Fi module and a Bluetooth 5.0 module for wireless printing. Additional features like a label dispenser/peeler, a cutter module, and an external roll holder offer tailored solutions for large-scale and automated labeling operations.

- Windows/Linux/Android
- 203 dpi
- Termal & T.Transfer
- Wi-Fi
- Bluetooth
- USB, Ethernet, RS-232

Main Features

Operating System

Compatible with Windows, Linux, Android; supports seamless cross-platform integration.

Processor

STMicroelectronics
STM32MP151 Dual-core Cortex-A7 800MHz + Cortex-M4 209MHz;
efficient multitasking and real-time processing.

Memory

RAM 128MB / Flash 128MB.
Optimized for efficient processing of barcode data, label templates, and large print jobs.

Wireless LAN (WLAN)

Optional Wi-Fi module: IEEE 802.11 b/g/n (2.4GHz). Available pre-installed or as a field-installable upgrade, enabling convenient barcode and label printing from anywhere across various industries.

Wireless PAN (WPAN)

Optional BT 5.0 BR/EDR + BLE module: Available pre-installed or as a field-installable upgrade.

Voice & Audio

Buzzer with a resonant frequency of 2700Hz; sound output up to 85 dBA measured at 10 cm.

Sensors

Out-of-paper Sensor; Gap Sensor; Ribbon Sensor; Black Mark Sensor; Cover Opening Sensor.

Buttons

1 Feed button: for feed and pause operations.

Connections & Interfaces

USB (Type B);
Ethernet (10/100 Mbps);
Serial Port RS-232

Printing Technology

Dual Printing Mode: Thermal Transfer and Direct Thermal.

Print Performance

Resolution: 203 dpi / 8 dots per mm
Maximum Print Width: 4.25 in (108 mm)
Print Speed: 5.98 in (152 mm) per second

Media Types

Supports a wide range of media, including thermal transfer labels, direct thermal labels, polypropylene labels, tags, gap label paper, black mark paper, die-cut paper, care labels, continuous receipt paper, and wristbands. Compatible with roll-fed, die-cut, or continuous media, with or without black marks.

Ribbon Specifications

Ribbon Types: Wax: For thermal transfer labels and wristbands. Suitable for short-term label storage.
Wax + Resin: Ideal for thermal transfer and polypropylene labels, as well as tags. Ensures durability and fade resistance for long-term storage.
Resin: For polypropylene labels requiring durability. Fully resists fading, water, temperature changes, and abrasion.
Maximum Ribbon Length: 984 ft (300 meters). Ribbon Outside Diameter: 2.6 in (66 mm) / 1.34 in (34 mm).
Ribbon Width: 40 mm, 60 mm, 80 mm, 110 mm. Ribbon Core Diameter: 1.0 in (25.4 mm).

Programming Languages

Supports ZPL, TSPL, DPL, and EPL, ensuring seamless integration with various systems and compatibility with industry-standard label formats.

Power

Input: AC 100–240V, 50/60Hz;
Output: DC 24V / 2A

User Environment

Operating Temp
5°C to 40°C, 41°F to 104°F
Humidity
30% to 85% non-condensing

Dimensions (L×W×H)

308 x 180 x 250 mm
12.1 x 7.1 x 9.8 in

Weight

2.8 kg / 98.77 oz

Standard Accessories

Plug Cable (plugs: EU, CN, US, GB); Power Adapter; USB Type-B Cable; Ribbon Platen Roller; Thermal Labels Roll (1 pc); Ribbon (1 pc); Empty Ribbon Core (1 pc).

Optional Accessories

Wi-Fi Module; Bluetooth Module; Dispenser/Peeler for Labels; Cutter for Labels; External Label Roll Holder.

Learn More About MP4000D

Discover the MP4000D Dual-Technology Desktop Printer, the ultimate solution for high-performance barcode and label printing, designed to streamline operations across industries. Built to handle high-demand printing tasks effortlessly.

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*All specifications and designs are subject to change without further notice.