

MP4000D DUAL-TECHNOLOGY PRINTER

Unparalleled Printing Mastery, Ultimate Versatility, Seamless Integration & Cutting-Edge Performance Unveiled

Discover MEFERI's pinnacle of printing evolution — the MP4000D. Seamlessly switching between direct thermal and thermal transfer printing, it's a dynamic blend of adaptability and precision. Dive into its direct thermal prowess for short-term logistics and its thermal transfer mastery for enduring labels. Navigate an expansive barcode universe, from standard 1D to complex 2D, with pristine clarity and unmatched speed. Integrate effortlessly with systems like ERP, WMS, MES, CRM, or mobile platforms, unlocking its potential with the BarTender REST API. The MP4000D doesn't just conform; it transforms — ready for Windows, Linux, Mac, or Android ecosystems. Couple that with its ergonomic design, from LED indicators to diverse connectivity options, and you've got a printer that's not just efficient, but truly universal. The MP4000D — where precision meets versatility, and where your printing ambitions find their match.



Dual-Technology Printing Excellence



Master The Art Of Versatile Printing: The Mp4000D Printer Offers Both Thermal Transfer And Direct Thermal Capabilities

You seek a printer that is not bound by the limitations of a single printing method; you require adaptability. Enter the MEFERI MP4000D, a printer designed to navigate effortlessly between two renowned printing technologies.



Direct Thermal Prowess

With the direct thermal printing capability, the MP4000D harnesses the power of a heated printhead to imprint your essential information directly onto thermal labels, receipts, and similar media. This method is ideally suited for situations where the longevity of the print isn't paramount – think

short-term logistics or temporary labeling. It forgoes the need for a ribbon, ensuring a quick, efficient print for data that doesn't require extensive durability.



Thermal Transfer Mastery

For those endeavors that demand more enduring labeling, especially when goods are in long-term transit or storage, the MP4000D showcases its versatility with its thermal transfer printing. Dive into a world of choices with three distinct ribbon types, each tailored for specific tasks:

- **WAX-Based Ribbons:** Perfect for thermal transfer labels, this ribbon ensures clarity and precision, ideal for standard printing needs.
- **WAX + RESIN Hybrid Ribbons:** The middle-ground of durability. These ribbons produce labels resilient to the natural wear of long-haul transportation, maintaining their integrity even through friction and human contact. They're the bridge between everyday and extreme, ensuring longevity for barcodes, clothing tags, and more.
- **RESIN-Based Ribbons:** For the ultimate in durability. When printed using these ribbons, your labels will resist the challenges of water, fluctuating temperatures, and even sunlight. They are tailored for polypropylene labels, textile tapes, and various polymer media, safeguarding your data for the long haul. From barcodes to graphic details, trust in the MP4000D and resin-based ribbons to keep your information intact, irrespective of the external challenges.

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With the MEFERI MP4000D, you're not just investing in a printer; you're investing in a promise of flexibility, adaptability, and sheer printing prowess. Whatever your need, from temporary tags to long-lasting labels, the MP4000D has got you covered.

Peak Performance And Printing Precision

Unleash Unmatched Versatility And Efficiency: The Mp4000D Offers Cross-Platform Support And Speedy Printing Capabilities.



Inclusive Operating System Support

In a world where technology ecosystems can vary drastically from one workspace to another, the MEFERI MP4000D doesn't discriminate. Whether your operations are built on the tried-and-tested Windows, the robust Linux, or the design-friendly Mac, this printer seamlessly integrates with them all. By providing cross-platform support, MP4000D positions itself as a truly universal tool, adaptable to varied industries - be it warehousing, manufacturing, retail, logistics, or even the sensitive healthcare sector. This versatility ensures that the MP4000D is always ready to be your workhorse, no matter the computing landscape.



Ample Memory to Meet All Needs

With a balanced 128MB RAM and 128MB Flash storage, the MP4000D is equipped to handle the graphics elements and voluminous information that your printing tasks might demand. Whether it's the precision of healthcare labels, the exhaustive detail on manufacturing labels, or the graphic intensity of retail tags, this printer doesn't flinch. Its memory is more than just numbers; it's a testament to its capability to execute long-term printing jobs or deliver clarity on elongated labels without compromising speed or accuracy.



Precision and Speed: A Perfect Pairing

At 203 dpi/8 dots per mm, the MP4000D provides a printing resolution that has become the golden standard for capturing every nuance of barcodes and textual data. This ensures clarity, precision, and ease of scanning – a trait especially crucial in fast-paced environments.

But it's not just about detail; it's about delivering that detail

swiftly. With a remarkable print speed of 5.98 inches (152mm) per second, the MP4000D stands tall in the desktop printer category. Whether it's a rush order in logistics or high-volume labeling in warehouse or retail during peak hours, this printer ensures you stay ahead of the curve, amplifying your productivity without compromising on quality.

The MEFERI MP4000D isn't just a printer; it's a performance powerhouse designed to elevate your operational efficiency and meet the dynamic needs of modern industries.

Optimized Language Support for Precision Printing

Entrust the MP4000D with the nuanced task of flawless label printing, thanks to its robust support for leading programming languages: EPL, ZPL, TSPL, and DPL. Such language capabilities are pivotal in ensuring precise translations of user commands through specialized software, translating to impeccable print outputs. This level of sophistication, a hallmark of mid to high-tier printers, ensures that every barcode and text is represented in its most pristine form, given the essential font sets available in these languages. With the MP4000D's embrace of these in-demand programming languages, MEFERI guarantees unmatched versatility and accuracy in every print task across industries.

Intuitive Interaction with Multifaceted Interfaces

Harness the intuitive design of the MP4000D printer, purpose-built for seamless operation and timely notifications. The dual LED indicators provide color-coded alerts, ensuring you're always in the know — whether it's a label running low or a ribbon nearing its end. Complemented by distinct auditory cues for various command responses, this printer ensures you never miss a beat, with every signal meticulously outlined in the user manual for effortless interpretation.

Adding to the printer's ergonomic design is the strategically placed Feed button, facilitating easy feed and pause operations. And as for connectivity? MEFERI doesn't cut corners. The MP4000D boasts a comprehensive set of interfaces, right out of the box. From the ubiquitous USB and Ethernet connections to the time-tested Serial Port RS-232, the printer offers robust

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versatility, ensuring compatibility and ease of integration across diverse setups.

Diverse Barcode & Font Capabilities for Every Industry

Unlock unmatched barcode versatility with the MP4000D printer. Catering to a sweeping range of industries, it boasts support for prevalent 1D barcodes like UPC-A, EAN-13, etc., and specialized ones such as PLESSEY and others. Dive deeper with 2D barcodes, from the dense Data Matrix to the universally recognized QR Codes and more. Global business? No problem. The printer's comprehensive code pages cover both DOS and Windows encodings, ensuring your labels speak every language. Finally, with its dynamic bitmap and TrueType fonts, including Monotype CG Triumvirate™ and Simplified Chinese, your labels will always strike the perfect tone. Whether in retail, logistics, or healthcare, the MP4000D ensures your labeling is precise, professional, and industry-ready.

Optional Modules: Tailored Labeling Excellence



Wi-Fi Module: 802.11ac (field installable option)

Unlock limitless possibilities with the optional Wi-Fi module for the MP4000D printer. If your printer didn't come with it, fear not. This module is designed for hassle-free, field installation. Either DIY with the guidance of a technical specialist or simply visit our service center for professional installation.

Once equipped, the advantages of a Wi-Fi-enabled MP4000D are clear. Dive into a new realm of convenience as you remotely send labels for printing from any corner of your corporate infrastructure. Whether stationed in a bustling warehouse, a dynamic retail store, or even a distant department, the printer receives tasks seamlessly, eliminating the need for physical data transfers. In essence, it's not just about upgrading your printer; it's about revolutionizing your workflow.



Bluetooth Module: Bluetooth 4.1 (field installable option)

Elevate the MP4000D printer's versatility with the optional

Bluetooth module. Don't fret if your device wasn't initially equipped; this module is crafted for straightforward field installation. Take matters into your own hands with a tech specialist's guidance or simply head to our service center to have it embedded professionally.

Armed with Bluetooth, the MP4000D becomes a beacon of flexibility. Transmit printing tasks directly from mobile computers, tablets or smartphones, no matter where you are within the vicinity. It's the perfect blend of convenience and efficiency, making it ideal for dynamic work environments where mobility is key. With the Bluetooth-enabled MP4000D, bring forth a synergy of practicality and modernity to your data printing needs.



Cutter Option: Seamless Precision

Introducing the MP4000D's optional cutter module - a dream for apparel branding and more. No more manual tearing; just seamless, automatic label cutting. Whether streaming or single prints, every label detaches flawlessly. Paired with a receiving tray, your printed forms are orderly and ready. Ideal for textile labeling, these durable prints, especially with resin-based ribbons, withstand wash cycles, preserving crucial garment care instructions.



Dispenser/Peeler Option: Effortless Labeling

Upgrade your MP4000D with our dispenser/peeler module - a smart mechanism ensuring each label knows its place. Once printed, labels automatically separate from the substrate, awaiting their purpose. With the print-on-demand nature, operational efficiency is paramount; as one label is used, another is instantly ready. This tool is the epitome of hands-free labeling, allowing immediate application to packages, products, and more.



External Label Roll Holder: Voluminous Labeling Made Easy

Meet the game-changer for high-volume labeling tasks. The External Label Roll Holder accommodates those hefty label rolls that the standard printer can't. Positioned snugly behind the MP4000D, it channels labels through a designated slot. The result? Extended printing sessions without the constant roll replacement interruptions. Ideal for continuous print jobs, this Roll Holder ensures your labeling operations run uninterrupted.

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BarTender UltraLite Integration with MP4000D Printer

Industry-Specific Precision: Whether in retail, warehousing, logistics, manufacturing or the public sector, BarTender UltraLite elevates the MP4000D's output. This integration ensures commercial-quality labeling tailored to various industries. The emphasis on barcoding—a vital bridge between digital and physical realms—is unmatched, with the software featuring over 400 ready-to-use barcodes.

Maximized Efficiency: Paired with MP4000D, BarTender UltraLite exploits the printer's full potential. Its intuitive WYSIWYG design interface, combined with an extensive barcode library, ensures precision and adaptability across diverse media and products.

Licensing Flexibility: Dive into its capabilities with a 30-day trial showcasing advanced features. A range of licensing options then awaits, ensuring a tailored solution for every scale of operation.

In essence, with BarTender UltraLite, the MP4000D transforms from just a printer to an industry-aligned labeling powerhouse.

API Integration with MP4000D Printer

Harness the power of BarTender REST API to streamline and automate your print jobs directly through the MP4000D printer. Suited for BarTender 2022 R1 and later versions, the REST API offers seamless data exchange across various platforms. Send data for printing directly from systems such as ERP, WMS, MES, CRM, or from any client Desktop. Even better, leverage the power of ME-MobilityDesk Workstation, Android apps on MEFERI mobile devices, or simply any smartphone, irrespective of the OS. With the MP4000D, effortlessly print barcodes, commercial labels, and other crucial information. Note: Only available for Automation or Enterprise Editions of BarTender 2022.

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Standard Features

Printing Technology	Thermal Transfer or Direct Thermal print method
Programming languages	ZPL, TSPL, DPL, EPL
LED Indicators	Double LED status indicator
Buttons	Feed button for feed/pause
Ports & Interfaces	USB, Ethernet, Serial Port

Physical Characteristics

Dimensions	Thermal Transfer: 12.1 in. L * 7.1 in. W * 9.8 in. H 308mmL * 180mmW*250mmH Direct Thermal: 12.1 in. L * 7.1 in. W * 9.8 in. H 308mmL*180mmW*250mmH
Weight	6,17 lbs./2.8 kg

Performance Characteristics

Supports OS	Windows, Linux, Mac
Printing Resolution	203 dpi/8 dots per mm.
Memory	RAM: 128MB , Flash: 128MB
Maximum Print Width	4.25 in.(108 mm)
Print Speed	5.98 in.(152mm) per second

Media Sensors	<ul style="list-style-type: none"> • Out-of-paper Sensor • Gap Sensor • Ribbon Sensor • Black Mark Sensor • Cover Opening Sensor
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Media and Ribbon Characteristics

Media Types	Labels: thermal transfer, thermal labels, polypropylene labels, tags, gap label paper, paper with black mark, die cut paper, care label, continuous paper for receipts, bracelets. Roll-fed, die cut or continuous with or without a black mark, tags, and continuous paper, receipt paper, and wristbands.
Label Length	Labels: Maximum: 9.8 in. (250 mm); Minimum: 0.79 in. (20 mm). Receipts roll paper: Continuous paper for receipts: 47.2 in.(1200 mm) max.
Media Width	1.00 in. (25.4 mm) to 4.33 in.(110 mm)
Media Roll Size	<ul style="list-style-type: none"> • Label Roll Diameter: 5.00 in.(127 mm) Max • Roll Internal Core Diameter: 0.5 in. (12.7 mm); 1.0 in. (25.4 mm); 1.5 in. (38.1 mm).
Media Thickness	0.002 in. (60µm) ~ 0.01 in. (250µm)
Ribbon Types	Ribbons: Wax, Wax+Resin (mix), Resin <ul style="list-style-type: none"> • Wax Ribbon best fit for thermal and thermal transfer labels, wristbands; • Wax+Resin (mix) Ribbon best fit for thermal transfer and polypropylene labels, tags; • Resin Ribbon best fit for polypropylene labels

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Maximum Ribbon Length	984 ft. (300 meters)
Ribbon Outside Diameter	2.6 in./66 mm (300 m); 1.34 in./34 mm (74 m).
Ribbon Width	2.0 in. (50 mm) ~ 4.38 in. (118 mm)
Ribbon Core Diameter	1.0 in. (25.4 mm)

Operating Characteristics

Operating Temp	41°F(5°C) to 104°F(40°C)
Storage Temp	-4°F(-20°C) to 122°F(50°C)
Operating Humidity	30% to 85% non-condensing
Storage Humidity	10% to 90% non-condensing
Electrical	Input: AC 100-240V, 50/60 Hz Output: DC 24V / 2A

Fonts/Graphics/Symbologies

1D Bar Codes	Code 39, Code 93, Code 128UCC, Code 128 subset A, B, C, Codabar, Interleave 2 of 5, EAN-8, EAN-13, EAN-128, UPC-A, UPC-E, EAN and UPC 2 (5) digits add-on, MSI, PLESSEY, POSTNET, RSS-Stacked, GS1 DataBar, Code 11
2D Bar Codes	PDF417, Maxicode, DataMatrix, QR Code, Aztec
Code Page	DOS437,720,737,755,775,850, 852,855,856,857,858,860,862, 863,864,865,866, Windows 1250,1251,1252,1253,1254,1255, 1256,1257,1258,ISO8859-1,-2, -3,-4,-5,-6,-8,-9,-15

Fonts and Graphics	<ul style="list-style-type: none"> • Bitmap fonts 6, 8, 12, 16, 32, OCR A & B. 90°, 180°, 270° rotatable and 10 times expandable in horizontal and vertical directions • TTF fonts Monotype CG Triumvirate™, Simplified Chinese
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Wireless LAN(WLAN), WiFi

WiFi (optional)	Wi-Fi Module: 802.11ac
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Wireless PAN (WPAN)

Bluetooth (optional)	Bluetooth 5.0
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Environmental Compliance

The RoHS Directive 2011/65/EU, along with its amendment 2015/863, ensures that electrical and electronic products are free from hazardous substances. Compliance with the EN IEC 63000:2018 standard guarantees that products are safe for use and minimizes the environmental impact.

Additional Regulatory

US:


Electrical Safety	UL 60950-1
Radio Frequency Devices	47 CFR Part 15, Subpart B, Class B
Digital Apparatus	ICES-003 Issue 6, Class B

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Europe:

Electrical Safety	EN 60950-1 2ed+A11+A1+A12+A2:2013, IEC 60950-1 2ed + A1 + A2
Environmental	RoHS EN 50581
IT Emissions	EN 55032 (Class B)
IT Immunity	EN 55024
Harmonic Current Emissions	EN 61000-3-2
Voltage Fluctuation and Flicker	EN 61000-3-3


Meferi Software Suite

 OmniSoftware Suite	A comprehensive set of industry-specific utilities and applications, designed to unlock maximum productivity and efficiency on all MEFERI devices. Customizable, scalable, powerful.
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Dive deeper into its potential on our website.
<https://www.meferi.com/#/us-en/products/meferi-software-suite>

 ME-PrinterUtility	ME-PrinterUtility - provides you with complete control over your printer settings, allowing you to easily configure your printer. Printer Utility offers an easy and efficient way to configure your printer for an enjoyable experience straight from the box. With our versatile setup utilities, you can customize your printer settings, fonts, and storage management, test functions, use different programming languages, control and monitor firmware and system, and more.
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Additional Features

 QuickSlide	Easy Roll out - Streamline your printing process with QuickSlide's unique function, which allows for faster and more convenient media loading and replacing . <ul style="list-style-type: none"> • Long Printhead Lifespan • Fit for Various Media
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Standard Accessories

Power Supply Adapter; USB Cable Type-B; Power Cord 220V (plug: EU, CN, US, GB); Ribbon Spindles 2 pcs.; Ribbon 1pcs. (test sample); Empty Ribbon Core 1pcs. (to reel up the spent ribbon); Thermal Labels Roll 1pcs. (test sample);

Optional Accessories

- Wi-Fi Module: 802.11ac (field installable option);
- Bluetooth Module: Bluetooth 4.1 (field installable option);
- Dispenser/Peeler: Effortlessly peel and present labels using a built-in label present sensor (field installable option);
- Cutter: For precise label cutting (field installable option);
- External Label Roll Holder: Conveniently store and access additional label rolls for uninterrupted labeling tasks.

Recommended Services

Meferi EasyPRO Service+

General Certifications



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Warranty

MEFERI's hardware warranty statement governs the warranty coverage of the MP4000D, protecting it against any defects in workmanship and materials for a duration from the date of shipment: MP4000D Printer: Twelve (12) months; For detailed information regarding the warranty terms and conditions, please refer to the complete warranty statement available at: <http://www.meferi.com/#/us-en/warranty>.

Software

BarTender Ultralite is available for trial, however, professional and higher versions require a purchased license. BarTender Ultralite is a software for label design that allows users to create barcodes, adjust label sizes, add text and graphic images to labels, use different fonts, and set barcode values for labels. The interface is user-friendly and convenient, making it easy and fast to create and print any label.

Drivers

Windows Vista7,8,10, Server 2012/2016/2018 - Efficient Label Printing Starts with the Right Windows Driver. Windows driver for MEFERI desktop label printers simplifies your label printing process, allowing you to get started with ease. With our custom solution, you can effortlessly connect your printer to your Windows computer and start printing professional-quality labels right away.



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