



P 311M Desktop MICR Laser Printer



- Productive – ANSI-compliant MICR output at 34-ppm
- Easy – All-In-One Print Cartridge Technology
- Quality - Up to 1200 x 1200 dpi print resolution
- Compact – Fits on a desktop
- Affordable – Print checks for pennies per page
- MICR Optimized – E-13B, CMC-7 MICR fonts included

MICR CHECK PRINTING MADE EASY



Rosetta goes to great lengths to make check printing reliable, fast, and easy for businesses of every size. Optimized for MICR workflows, the new P 311M Desktop MICR Laser Printer is perfect for a small office printing low volumes of checks or as part of a fleet of networked printers in a larger organization creating thousands of negotiable documents per month.

Built on Ricoh's proven All-In-One (AIO) Print Cartridge technology for outstanding performance, image quality, and ease of use, the P 311M is infused with Rosetta's best-in-class magnetic toner and MICR fonts. When combined with Rosetta's industry-leading CheckStream™ software, it delivers a check printing solution that will surpass your expectations, not your budget.

The auto duplexing P 311M prints at speeds up to 34 pages per minute, offers an expandable paper supply for non-stop operation, and uses high-yield AIO print cartridges for maximum uptime and low per-page costs. One full-yield MICR AIO print cartridge is included with every P 311M for additional value!



The P 311M greatly minimizes check printing expenses by eliminating the need for pre-printed checks for each bank account and instead uses the same blank check stock for all accounts. Further, Rosetta guarantees that every MICR document printed will meet or exceed ANSI, ABA, and Canadian Payments Acceptance standards for adhesion, signal strength, character sharpness, and read rates for an infallible solution. Every P 311M supports the latest network security standards including TLS1.3, SNMPv3, user authentication, and Locked Print capabilities. To physically safeguard check stocks, step up to the **P 311M Secure** with locking media tray.

Finally, every P 311M MICR Laser Printer is backed by over 20 years of Rosetta's industry leading MICR experience and support for ultimate peace of mind. **Rosetta plus Ricoh. It's a most attractive combination of value and performance.**

P 311M System Highlights

- 350 MHz CPU with 128 MB RAM and standard 10/100Base-TX Ethernet networking quickly processes every job.
- Proven high-yield AIO print cartridge technology for simplified maintenance and low per-page costs.
- Durable and reliable with a maximum recommended volume of up to 5,800 prints per month, and a maximum duty cycle of up to 35,000 prints per month.
- 4-line LCD screen for at-a-glance job and supply status monitoring.
- Rosetta Technologies' E-13B, CMC-7 MICR fonts and OCR-A fonts included.
- Ships with one 5,000-page yield MICR toner AIO print cartridge.
- Optional CheckStream™ software to simplify check printing workflows using blank check stock.
- Compact design fits anywhere. Add a second 250-sheet Paper Tray without occupying more space.
- Securely store up to 5 print jobs in memory for authenticated PIN-release printing with RAM-based Locked Print.



Fast and Affordable General Office Printing

When you need to print documents other than checks, simply exchange the MICR toner AIO print cartridge for a standard one and leverage your investment in the P 311M MICR Laser Printer to handle all of your daily office printing needs in addition to checks. Each regular toner AIO lasts up to 7,000 pages** for affordable, reliable performance with minimal interruption.

The P 311M is compatible with the latest Windows, Macintosh, and Linux network environments. Print up to 999 sets per job at 34-ppm, with true 1,200 x 1,200 dpi resolution available at 15-ppm for documents requiring the highest image quality. Point-and-click drivers for PCL 5e/6 and PostScript3 emulation speed everyday printing tasks, with dozens of features and fonts built-in for creative printing in many styles. Print onto envelopes, labels, heavy stocks, and duplex onto media up to 8.5" x 14".

Save space, money, and time with the dual-purpose Rosetta P 311M Desktop MICR Laser Printer. The one desktop printer that does it all.



Swap out the MICR All-In-One (AIO) print cartridge for the standard toner AIO in seconds.

Rosetta MICR Quality Guarantee:

Guaranteed ANSI, ABA, and Canadian Payments Association Acceptance Standards If Using Rosetta Technologies' Approved Check Stock, Supplies, MICR Fonts & Authorized Service.



5912 Breckenridge Parkway
Tampa, FL 33610

(800) 937-4224 www.rosettatechnologies.com

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P 311M Desktop MICR Laser Printer Specifications

MAIN UNIT

Type:	Desktop MICR Black & White Printer
Imaging Technology:	Laser beam with electro-photographic printing
Toner Type:	Dry mono-component MICR toner, AIO print cartridge (switchable with standard toner AIO print cartridge)
Warm-up Time:	26 seconds or less
1st Print Time:	7.1 seconds or less
Continuous Print Speed:	34 pages per minute (Letter)
Monthly Volume:	Up to 5,800 prints/month
Maximum Duty Cycle:	Up to 35,000 prints/month
Operation Panel:	Tilting 4-line LCD panel + hard keys
Std. Paper Supply:	250-sheet Tray x 1 + 50-sheet Bypass = 300 sheets
Opt. Paper Supply:	250-sheet Paper Feed Unit x 1
Max. Paper Supply:	550 sheets
Auto Duplexing:	Standard (~ 40% productivity), 8.5" x 11" to 8.5" x 14"
Media Sizes	
Standard Tray:	3.9" x 5.8" to 8.5" x 14"
Bypass Tray:	3.5" x 5.5" to 8.5" x 14"
Optional PFU:	5.5" x 8.5" to 8.5" x 14"
Media Weights	
Using MICR Toner:	20 – 28 lb. Bond
Using Standard Toner:	14 – 43 lb. Bond/90 lb. Index
Media Types:	24 lb. Check Stock, 28 lb. Pressure Seal Check Stock, Bond ¹ , Cardstock ¹ , Colored, Envelopes ² , Labels ¹ , Letterhead, Plain, Preprinted, Recycled, Thick, Thin
¹ Standard & Bypass Tray only	
² Bypass Tray only	
Output Capacity:	125 sheets (face down)
Dimensions (WxDxH):	14.6" x 15.4" x 10.3"
Weight:	28.7 lbs.
Power Requirements:	120 – 127V, 60Hz, 7.7A
Power Consumption:	512 W Operating., 0.66 W Sleep

CONTROLLER

CPU:	ARM11 @ 350 MHz
Memory:	128 MB RAM standard/maximum
Standard Interfaces:	10/100Base-TX Ethernet, USB 2.0 Type B
Optional Interface:	IEEE 802.11 a/b/g/n Wireless LAN
Print Resolution:	600 x 600 dpi (Windows, Mac, Linux) 1200 x 600 dpi (Windows) 1200 x 1200 dpi (at 15-ppm) (Windows, Linux)
PDL Support:	PCL 5e, PCL 6, PostScript 3 emulation (Windows only)
Fonts:	MICR: E-13B, CMC-7, OCR-A PCL 5e/6: 45 Scalable fonts +10 Bitmapped fonts PS3 emu.: 35 Scalable fonts
Network Protocols:	TCP/IP
Network O/S Support:	Windows 8.1, 10, Windows Server 2012/2012R2, 2016, 2019 Mac OS: 10.10-15, v11 Linux: Ubuntu 16.04 LTS (x86/x64), 18.04 (x64), 18.10 (x64), open SUSE Leap 42.3, Red Hat Enterprise Linux 6.7, 6.8, 6.9, 6.10, 7.3, 7.4, 7.5, 7.6, Boss Linux v6
Mobile Printing Support:	RICOH Smart Device Connector, Apple AirPrint®, Mopria®
Advanced Features:	1 – 999 Print Quantity, Collate, Dithering, Duplexing, Do Not Print Blank Pages, Front Cover, Layout/N-up, Reduce/Enlarge, Rotate, Toner Saving, Watermarks
Security Features:	IPSec, RAM-based Locked Print (PCL only), TLS1.3, SNMPv3, User Authentication, WEP (with Wireless LAN option)
Utilities:	Rosetta Technologies CheckStream™ (Optional), Ricoh Web Image Monitor, Ricoh @Remote (limited support), Ricoh Device Manager NX Lite

MAIN UNIT	PART #
P 311M MICR Laser Printer	30311000
P 311M Secure MICR Laser Printer	30311001
250-sheet Paper Feed Unit	31371000
250-sheet Paper Feed Unit w/Lock	31371001

SUPPLIES	YIELD	PART #
MICR Toner All-In-One Print Cartridge	5,000 pages*	10371000
Standard Toner All-In-One Print Cartridge	7,000 pages**	11371000

*Declared yield values based on 4% toner coverage.

**Declared yield values based on ISO/IEC 19752.

Actual yields may vary based on types of images printed and other factors.

For maximum performance and yield we recommend using genuine Rosetta supplies. The Rosetta Technologies P 311M ships with one full yield MICR Toner All-In-One (AIO) print cartridge yielding approximately 5,000 pages. Specifications subject to change without notice.