

WORKGROUP MICR PRINTERS | P 501M

Maximize your check printing productivity

The P 501M MICR LED Printer produces ANSI-compliant checks at 45 ppm and 1,200 x 1,200 dpi, in five versions built for the volume and security you need.



INSIDE

- 45 ppm ANSI-compliant MICR output from a compact desktop unit
- Separate drum and toner supplies for low running costs
- Five versions, from standard to IPDS Secure

THE BOTTOM LINE

The P 501M is our desktop MICR LED printer for businesses that need to get checks right the first time. It prints ANSI-compliant checks at 45 ppm and 1,200 x 1,200 dpi, handles up to 10,000 prints a month, and expands to 2,100 sheets. Every MICR document is guaranteed to meet or exceed ANSI and ABA standards when you use our MICR fonts and supplies.

OVERVIEW

Speed, image quality and security on one desk

When your business prints checks, you need to get it right the first time. The P 501M MICR Printer is compact and powerful, with the speed, image quality and security you need to keep pace with fast-moving business decisions. It produces ANSI-compliant checks and associated MICR documents as fast as 45 pages per minute at a low cost per page. It is built for banks, payroll processors, insurers printing EOBs and claim checks, title loan companies and corporate accounting departments with lots of checks to print, tight deadlines to meet and no margin for error.

45 ppm	1,200 x 1,200	10,000	2,100
ANSI-compliant MICR output	dpi print resolution	Recommended prints per month	Sheets maximum paper capacity
45 ppm MICR ANSI-compliant MICR output at 45 ppm.	LED imaging Ultra-reliable LED imaging technology.	1,200 x 1,200 dpi Up to 1,200 x 1,200 dpi print resolution.	
Low running costs Separate drum and toner supplies.	Certified MICR fonts Our certified E13B and CMC7 MICR fonts.	Built to grow Compact, affordable and expandable.	

Designed in partnership with Ricoh, the P 501M prints high-quality checks at 1,200 x 1,200 dpi without slowing down, thanks to ultra-reliable LED imaging technology. Paper supply is versatile and expandable for non-stop productivity, and the two-part separate drum and toner assembly keeps running costs low and operation simple. We combine this hardware foundation with our MICR toner, fonts and software to deliver a secure end-to-end check printing solution. Ricoh plus Rosetta Technologies: a combination of value and performance.

SYSTEM HIGHLIGHTS

P 501M system highlights

High speed, high quality MICR printing

A 1.3 GHz Intel processor with 2 GB RAM and Gigabit Ethernet connectivity processes every job quickly. LED imaging technology prints up to 1,200 x 1,200 dpi at 45 ppm, with fast first-print times for maximum productivity.

Optimized MICR fonts and toner

Create checks with sharp characters, consistent MICR signal strength and superior adhesion that meet today's check processing requirements. The P 501M ships with E13B and CMC7 certified MICR fonts and uses high yield supplies to produce checks for pennies per page.

Optional CheckStream™ software

Our check printing application simplifies workflows and saves money by eliminating the need to inventory pre-printed check stocks, which helps businesses with multiple bank accounts.

Multi-layered security

Valuable MICR data streams and media stay protected. The P 501M includes built-in network and data security features, including user authentication and encryption, plus optional locking media trays to keep check stocks secure.

Compact and expandable

The P 501M fits on a desk or under a counter. Expand media capacity to 2,100 sheets without occupying more space by adding up to three Paper Feed Units. Link the trays for continuous operation.

Tilting 4-line LCD panel

At-a-glance supply and status monitoring from any angle.

Maximum uptime with two-part supplies

Replace only the toner, the drum, or both as needed. Long lasting supplies minimize interruptions for maintenance.

Our MICR Quality Guarantee

Every MICR document you print will meet or exceed ANSI and ABA acceptance standards for adhesion, signal strength, character sharpness and read rates, when you use our approved check stock, supplies, MICR fonts and authorized service.

SYSTEM CONFIGURATIONS

Five versions of the P 501M

The P 501M is available in five versions. Each can be equipped with additional paper trays and connectivity options to meet your specific needs.

Version	Built on	Includes	Part #
P 501M MICR Printer	Standard model	500-sheet tray + 100-sheet Bypass, 250-sheet output, 2 GB RAM	
P 501M Secure	Standard model	1 Locking Paper Tray	30501001
P 501M Guardian	Secure model	320 GB Hard Disk Drive, supporting Locked Print, DOSS and encryption	30501002
P 501M IPDS	Standard MICR model	Genuine IPDS	30501003
P 501M IPDS Secure	IPDS model	1 Locking Paper Tray	30501004



BEYOND CHECKS

Fast and affordable general office printing

Your productive MICR printing solution doubles as a high-resolution workgroup printer. The P 501M handles all your daily office printing in addition to check printing: exchange the MICR supplies for the standard drum and toner assembly to print in any Windows, Macintosh or Linux network environment.



Swap the two-part MICR toner and drum assembly for standard supplies in seconds.

- PCL 5e, PCL 6 and PostScript3 emulation with simple point-and-click drivers and dozens of fonts for creative printing in many styles onto media up to 8.5" x 14".
- Print up to 999 sets per job at 45 ppm, and feed envelopes and labels from every source.
- The Bypass Tray extends media length up to 35.4" for banner and signage printing.
- Place watermarks on pages and add covers, slip sheets and chapters to create more professional-looking documents.
- Install the optional 320 GB hard disk drive for a cluster of printing modes designed to enhance productivity and confidentiality, and securely store up to 9,000 pages of data for print-on-demand.
- Is your office Mac based? Genuine Adobe® PostScript®3™ is available. Run Linux? The P 501M covers that too.
- Install the printer on two different networks at once with the USB 2.0 Device Server option, to keep your MICR workflows separate from general office printing applications.
- A tilting 4-line LCD panel graphically displays supply levels and system status.

Save space, time and money with the P 501M: one desktop printer for all your printing needs.



SPECIFICATIONS

P 501M system specifications

Main unit

Configuration	Desktop Black & White MICR Printer
Imaging technology	LED array with electro-photographic printing
Toner type	Dry single component MICR toner Switchable with standard toner
Recommended volume	Up to 10,000 prints/month
Maximum duty cycle	Up to 150,000 prints/month
Warm-up time	19 seconds
1st print time	5 seconds or less
Continuous print speed	45 pages per minute (Letter)
Operation panel	Tilting 4-line LCD + hard keys
Output capacity	250 sheets (face down)
Dimensions (WxDxH)	14.76" x 16.2" x 12.2"
Weight	42.5 lbs.
Power requirements	120 to 127V, 12A, 60Hz
Power consumption	Printing: 603 W; Sleep: 0.47 W

Network operating system support

Environment	Supported
Windows	Windows® 7, Windows 8.1, Windows 10
Windows Server	Windows Server 2008, Windows Server 2008R2, Windows Server 2012, Windows Server 2012R2, Windows Server 2016
Mac OS environments	Macintosh OS X v10.10 or later
SAP environments	SAP® R/3®, SAP S/4®
Other environments	NDPS Gateway, AS/400® using OS/400 Host Print Transform, Device Option Utility (Citrix), Linux environment, IBM iSeries

Paper handling

Standard paper supply	500-sheet Tray x 1 + 100-sheet Bypass = 600 sheets
Optional trays	Add 1, 2 or 3 Paper Feed Units Choice of 250-sheet and 500-sheet PFUs
Maximum capacity	2,100 sheets
Automatic duplex	Standard (14 to 43 lb. Bond / 90 lb. Index)
Paper sizes (min to max): Std./Opt. trays	3.2" x 5.8" to 8.5" x 14"
Paper sizes (min to max): Bypass tray	2.3" x 5.0" to 8.5" x 35.4"
Paper weight: Std./Opt. trays	14 to 58 lb. Bond / 120 lb. Index
Paper weight: Bypass tray	14 to 68 lb. Bond / 140 lb. Index
Paper types (all sources)	24 lb. Check Stock, 28 lb. Pressure Seal Stock, Bond, Card Stock, Coated, Colored, Envelope, Label, Letterhead, OHP Transparency, Plain, Pre-printed, Recycled, Special

Controller

CPU	Intel Apollo Lake @ 1.3 GHz
Memory (Std./Max.)	2 GB RAM
Hard disk drive	320 GB (Optional)
Print resolution	1,200 x 1,200 dpi, 600 x 600 dpi, 300 x 300 dpi
Page description languages: standard	PCL 5e, PCL 6, PostScript3 & PDF Direct Print emulation
Page description languages: optional	IBM IPDS® Genuine Adobe PostScript3 & PDF Direct Print
Fonts: standard	PCL/PS: 80 fonts + 13 International fonts E13B MICR, CMC7 MICR
Fonts: optional	PostScript3: 136 fonts IPDS: 108 fonts
Network interfaces: standard	10/100/1000Base-TX Ethernet (RJ-45) USB 2.0 Type B USB 2.0 Host Type A x 2
Network interfaces: optional	USB 2.0 Device Server
Network protocol	TCP/IP (IPv4, IPv6)
Utilities	Rosetta Technologies CheckStream (optional), Rosetta Technologies Print Manager (optional), Ricoh @Remote (optional), Ricoh Device Manager NX Lite (optional), Ricoh Web Image Monitor

Security features

Administrator and User Authentication (4 types), User Lockout, Auto Logout, Menu Protect, Address Book Encryption, Authentication Password Encryption, SSL communication, S/MIME, IPSec, TCP/IP, IP Filtering, SMTP over SSL, Transport Layer Security (TLS), Quota Settings, Locked Print*, Stored Print*, Unauthorized Copy Prevention, HDD Data Overwrite* and Encryption*, Locks for standard and optional paper trays.

*HDD required

Accessories and supplies

Item	Part #	Yield
250-sheet Paper Feed Unit (PB1110)	31501000	
500-sheet Paper Feed Unit (PB1120)	31501001	
250-sheet Paper Feed Unit w/Lock	31501010	
500-sheet Paper Feed Unit w/Lock	31501011	
320 GB Hard Disk Drive	31501008	
USB 2.0 Device Server	31501009	
MICR Toner Cartridge	10501000	15,000 pages*
MICR Drum Unit	10501001	40,000 pages***
Standard Toner Cartridge P 501H	10501007	14,000 pages**
Standard Drum Unit P 501	10501008	40,000 pages
Maintenance Kit P 501	10501002	120,000 pages

Warranty: 1 year from date of purchase. *Declared yield values for MICR toner cartridges based on 3.6% coverage. **Declared yield values for standard toner cartridges based on ISO/IEC 19752. ***Photoconductor Unit yield based on 3 pages/job. Actual yields may vary based on types of images printed and other factors. For maximum performance and yields we recommend using genuine Rosetta Technologies MICR toner supplies. The P 501M MICR Printer ships with a starter MICR toner cartridge yielding 3,000 pages. Specifications are subject to change without notice.

FROM ROSETTA TECHNOLOGIES

Get every check right the first time

The P 501M prints guaranteed MICR checks at 45 ppm, expands to 2,100 sheets, and doubles as a high-resolution workgroup printer. Rosetta Technologies, 5912 Breckenridge Parkway, Tampa, FL 33610.

Guaranteed MICR

ANSI and ABA acceptance standards, met or exceeded with our approved check stock, supplies, MICR fonts and authorized service.

Long-life supplies

MICR toner cartridge: 15,000 pages*. MICR drum unit: 40,000 pages***. Warranty: 1 year from date of purchase.

Secure options

Locking paper trays, the Guardian 320 GB HDD with Locked Print, DOSS and encryption, and IPDS Secure.

Tell us your check volume, your network and your security needs, and we will match the P 501M version to the job.

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