

SP 4510DNM MICR

MICR LED PRINTER

- ANSI-compliant MICR output at 42-ppm
- Reliable LED Imaging Technology
- 1200 x 1200 dpi print resolution
- Innovative two-part supplies for low CPP
- Includes E13B and CMC7 MICR fonts
- Standard Integrated Automatic Duplexing
- Robust Industry-standard Security Features
- Includes MICR toner cartridge



Cut Checks, Not Results

Your check printing applications require the highest levels of security, accuracy and consistency. Rosetta Technologies combines best-in-class MICR toner and software technology with Ricoh's award-winning printer hardware. The result is a family of check printing solutions that exceeds industry standards. Whether you are printing payroll, accounts payable, claims checks, or generating checks for your customers, Rosetta Technologies and Ricoh have solutions that simplify workflows while making your check printing applications more secure.

Designed in partnership with Ricoh, the SP 4510DNM MICR Printer is a powerhouse of productivity. This compact 42-ppm printer employs Ricoh's innovative LED imaging technology for outstanding print quality without sacrificing speed. Packed with industry-standard security capabilities, a number of eco-friendly features, plus separate drum and toner supplies to minimize total cost of ownership, the expandable SP 4510DNM stands ready whether you are printing 100 or 10,000 checks every month. Rosetta wraps this robust engine around our industry-leading MICR experience to further reduce costs through more accurate read rates for an unbeatable combination of value and performance.

High speed, high resolution MICR printing

The SP 4510DNM is built on a powerful 533 MHz processor with 512 GB RAM. A fast first print time of 5 seconds and a continuous output speed of 42-ppm (Letter) keeps the pages flowing. The SP 4510DNM won't slow down, even when printing at true 1200 x 1200 dpi, thanks to Ricoh's LED imaging technology. Need help or new to check printing workflows? Check out our CheckStream™ solution. It automates the check printing process and eliminates the need for pre-printed check stock.



Expandable and energy efficient

Print with confidence at the lowest possible cost. In addition to standard automatic duplexing to save paper, you can boost media capacity up to 1,600 sheets to print extended runs onto 24 lb. check stock and 28 lb. pressure seal check stock without interruption. The SP 4510DNM offers innovative Eco Night Sensor technology that shuts the printer down when the room goes dark – never accidentally leave the printer on overnight again!



Optimized MICR fonts and toner for ultra-reliable performance

A standing member of the X9-B Committee, Rosetta Technologies continually works on MICR toner formulation and font characteristics to guarantee adherence to national and international MICR industry standards. Sharp characters, high signal strength, and excellent adhesion are the hallmarks of successful MICR read rates, and that's exactly what we deliver in the SP 4510DNM. A unique two-part supply system allows you to replace just the toner, the OPC drum, or both.



Feature-rich security

The SP 4510DNM provides a number of standard and optional security features to protect valuable data streams. Step out from under proprietary workflows that offer only minimal protection. The SP 4510DNM incorporates open standards for device access and data encryption including 1,000 User Codes, 128-bit AES data encryption, Locked Print, IP Address Filtering, SHA-2 compliance and more to prevent information theft and falsification. Integrated paper tray locks are available to prevent unauthorized access to check stock.

SP 4510DNM MICR Printer Product Configurations

The SP 4510DNM MICR Printer is available in five configurations. Each can be customized with expanded memory and paper supply options to meet your unique needs.



SP 4510DNM Secure shown.

SP 4510DNM MICR PRINTER

- 500-sheet tray + 100-sheet Bypass
- 512 GB RAM

SP 4510DNM SECURE

- Standard model plus:
- Locking Paper Tray

SP 4510DNM GUARDIAN

- Secure model plus:
- 320 GB Hard Disk Drive with Locked Print, Data Encryption and Overwrite

SP 4510DNM IPDS

- Standard model plus:
- Genuine IPDS
 - 1 GB RAM
 - 320 GB Hard Disk Drive

SP 4510DNM IPDS SECURE

- IPDS model plus:
- Locking Paper Tray

Fast and affordable general office printing

Rosetta understands that your business needs to print more than checks. Simply exchange the MICR toner cartridge and drum unit assembly for a Standard one, and you can leverage your investment in the SP 4510DNM MICR Printer to execute daily workgroup printing needs in addition to your check printing applications.



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

Take advantage of all the SP 4510DNM's built-in energy efficiency and security features for high-speed duplex printing at 1200 x 1200 dpi onto plain paper up to 8.5" x 14". The easy-to-use SP 4510DNM offers intuitive drivers for point-and-click PCL and genuine Adobe PostScript®3™ printing, along with dozens of resident fonts and support for the latest Windows and Macintosh environments. Use the hard disk drive for secure local document storage and print-on-demand for up to 9,000 pages of information.



The 4-line LCD control panel provides for at-a-glance job and system status.

The two-part supply combines the compactness of All-In-One print cartridge technology with the cost-per-page of separate drum and toner supplies.

Looking for a best-in-class MICR printing solution that doubles as a high-resolution productive workgroup printer? You found it in the Rosetta SP 4510DNM MICR Printer.

The four-line LCD panel graphically displays supply levels and system status.

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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SP 4510DNM MICR Printer System Specifications

GENERAL

Configuration/Type:	Desktop/Monochrome
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
Print Resolution:	1200 x 1200 dpi, 600 x 600 dpi, 300 x 300 dpi
1 st Print Speed:	5 seconds or less
Continuous Print Speed:	42 pages per minute (Letter)
Dimensions (WxDxH):	14.6" x 15.4" x 12" (370 x 392 x 306 mm)
Weight:	34.2 lbs. (15.5 kg)
Power Requirements:	120V, 60Hz, 10A

MEDIA HANDLING

Standard Capacity:	500-sheet Tray x 1 + 100-sheet Bypass
Optional Tray:	Add one 250-sheet Paper Feed Unit or add one or two 500-sheet Paper Feed Units
Maximum Capacity:	Up to 1,600 sheets
Automatic Duplex:	Standard
Output Capacity:	250 sheets (face down)
Paper Sizes (Min – Max)	
Std./Opt. Trays:	3.94" x 5.83" to 8.5" x 14" (100 x 148 mm to 216 x 356 mm)
Bypass Tray:	2.3" x 5" to 8.5" x 35.5" (60 x 127 mm to 216 x 900 mm)
Paper Weight:	14 - 43 lb. Bond / 90 lb. Index (52 - 162 g/m ²)
Paper Types	
Std./Opt. Trays:	24 lb. Check Stock, 28 lb. Pressure Seal Stock, Bond, Colored, Letterhead Plain, Preprinted, Recycled, Thick, and Thin papers
Bypass:	Above plus Labels, Envelopes, OHP Transparency

CONTROLLER

CPU:	533 MHz
Memory (Std./Max.):	512 MB RAM / 1 GB RAM
Hard Disk Drive:	320 GB (Optional)
Page Description Languages	
Standard:	PCL 5e, PCL 6, PostScript®3™, PDF Direct Print
Optional:	Genuine IBM IPDS
Fonts	
Standard:	PCL: 45 fonts + 13 International fonts PostScript3: 136 fonts, MICR: E13B, CMC7 IPDS: 108 fonts
Optional:	
Network Interfaces	
Standard:	10/100/1000Base-TX Ethernet (RJ-45), USB 2.0 Type B, USB 2.0 Host Type A
Optional:	IEEE 802.11 a/b/g/n Wireless LAN, IEEE 1284/ECP Parallel
Network Protocol:	TCP/IP (IPv4, IPv6)
Network O/S Support:	Windows XP, Vista, 7, 8/8.1, Server 2003/2008-R2/2012-R2 Mac OS X v.10.5+, Various UNIX/Linux OS
Utilities:	Rosetta Print Manager, CheckStream, @Remote, Device Manager NX, SmartDeviceMonitor, Web Image Monitor

SECURITY FEATURES

Administrator and User Authentication*, User Lockout, Auto Logout, Menu Protect, Data Encryption (Address Book/User Authentication Information/Job Logs/Temporary Stored Document/Network Interface Settings/System Settings), Network Security via TCP/IP Access Control, Encrypted communications using SSL/TLS, IPsec, or IEEE 802.1X; SMNPv3, IPP Authentication, Kerberos Authentication Encryption, optional Wireless LAN Security (WEP, WPA2/ WPA2-PSK), Locked Print*, Stored Print*, Unauthorized Copy Prevention, Compulsory Security Stamp, HDD Data Overwrite* and Encryption*, Tray locks for all standard and optional trays.

*HDD required

CONSUMABLES & YIELDS

MICR Toner Cartridge 10451000	10,000 pages*
MICR Toner Cartridge 10451001	6,000 pages*
MICR Photo Conductor Unit 10451002	20,000 pages***
Standard Toner Cartridge SP 4500LA	3,000 pages**
Standard Toner Cartridge SP 4500A	6,000 pages**
Standard Toner Cartridge SP 4500HA	12,000 pages**
Photo Conductor Unit SP 4500	20,000 pages***
Maintenance Kit SP 4500	12,000 pages
Warranty:	1 year from date of purchase

*Declared yield values for MICR toner cartridges based on 4% coverage.

**Declared yield values for standard toner cartridges based on ISO/IEC 19752.

***Photoconductor Unit yield based on 5% coverage, 3 pages/job. Actual yields may vary based on types of images printed and other factors.

For maximum performance and yield we recommend using genuine Rosetta MICR toner supplies. The SP 4510DNM MICR ships with a starter MICR toner cartridge yielding 6,000 pages. Specifications are subject to change without notice.