

## SP 8400DNM MICR Printer

Superior check printing performance  
for light production environments



### High Speed Departmental Printing

- Fast 60-ppm output speed
- Superior image quality at up to 1200 x 1200 dpi resolution
- Expandable media capacity up to 4,700-sheets
- 11" x 17" media support
- 10.1" Smart Operation Panel simplifies ease of use
- Versatile in-line finishing options
- Genuine IPDS available

### Dependable MICR Performance

- Rated for up to 53,000 impressions per month
- 160,000-impression drum
- ASC X9 and ABA Compliant MICR output
- Optimal MICR Signal Strength and Adhesion
- Consistent MICR quality
- E13B and CMC-7 Rosetta Technologies' certified MICR fonts
- Rosetta Technologies' MICR Performance Guarantee

# High Speed, Low Cost MICR Printing

Looking to pick up the pace of your check printing capabilities? Look no further than the SP 8400DNM MICR Printer. Designed in partnership with industry leader Ricoh, this **60-ppm** laser printer is a rugged workhorse optimized for high speed MICR check printing needs.



Ready to take on all types of mission-critical applications including IPDS printing, the compact and affordable SP 8400DNM is excellent for check-intensive environments that cannot justify production-class MICR equipment. Banks and credit unions, payroll companies, insurers printing claim checks with EOBs, commercial printers, corporate data centers and service bureaus can reliably produce up to **53,000 pages per month for about a penny per page**. Busier departments can install multiple printers to double or triple MICR printing productivity in a fraction of the cost and space required by production machines.

More than your ordinary printer, the SP 8400DNM is a high-end departmental system built on a powerful **1.46 GHz controller** employing **Ricoh's Workstyle Innovation Technology platform**. Multi-layered security and authentication features protect valuable data streams and media, while the large **10.1" Smart Operation Panel** provides intuitive ease of use.



Versatile and expandable, the SP 8400DNM can be configured with multiple paper supply options to boost capacity up to **4,700 sheets** for non-stop productivity. Print onto blank check stock, pressure seal, or IRD paper. A choice of finishing accessories provides **advanced in-line stacking, finishing and/or folding** capabilities to reduce post-printing collation errors – great for multi-page EOB printing! Able to handle **media sizes up to 11" x 17"**, the SP 8400DNM is perfect for commercial printers and service bureaus.



Rosetta Technologies understands printing checks is an exact science. Every document must meet precise standards for font clarity, position, signal strength and adhesion to stand up to the punishment of multiple passes through high-speed reader-sorters. Only Rosetta Technologies bundles best in class MICR toner and software technology with Ricoh's award-winning hardware to deliver MICR printing solutions that exceed industry standards. Using Rosetta's proven ProMark™ MICR toner and E-13B and CMC-7 MICR fonts, the SP 8400DNM delivers superior MICR quality and readability, page after page. In fact, Rosetta guarantees that every document you print using our toner and fonts will meet ANSI, ABA, and Canadian Payments Acceptance standards for adhesion, signal strength, character sharpness, and read rates.



Put the affordable SP 8400DNM to work in your office to reduce check printing costs even as you improve the quality, productivity and customer satisfaction of your MICR printing applications. Rosetta Technologies has the knowledge and technology solutions backed by over 20 years of industry experience to make your MICR applications run smoothly.

**Rosetta plus Ricoh. It's a most attractive combination.**

# Feature-rich Security in a Choice of Configurations

Rosetta knows data and document security are top priorities for check printing environments. That's why we equip the SP 8400DNM MICR Printer with a wide array of security features to safeguard sensitive information and control unauthorized access to data streams and media. Available in five configurations to meet escalating security and/or workflow requirements, every SP 8400DNM offers multiple types of user authentication with quota settings, advanced SSL/TLS data encryption, Unauthorized Copy Control, security stamps, network access controls and more to track and trace access to the printer. The **SP 8400DNM Secure** adds locking paper trays to protect valuable check stocks. The **Guardian** and **IPDS** models add a secure 320 GB hard disk drive with a Locked Print feature plus data encryption and overwrite to protect information stored in the printer. Need to print Intelligent Printer Data Stream (IPDS) documents in a secure environment? The **SP 8400DNM IPDS Secure** model offers genuine native IPDS with built in data security plus standard locking media trays. In fact, all optional media supplies are available with and without locks for every SP 8400DNM configuration for a completely secure MICR printing solution.

SP 8400DNM MICR Printer Security/Configuration Matrix	SP 8400DNM MICR PRINTER	SP 8400DNM SECURE	SP 8400DNM GUARDIAN	SP 8400DNM IPDS	SP 8400DNM IPDS SECURE
<b>Security Features</b>					
User Authentication	◆	◆	◆		
Job & Access Logs	◆	◆	◆		
Unauthorized Copy Control	◆	◆	◆		
SSL/TLS Data Encryption	◆	◆	◆		
IPSec Communication	◆	◆	◆		
Network Protocol Control	◆	◆	◆		
IP Address Filtering	◆	◆	◆		
Compulsory Security Stamp	◆	◆	◆		
Secure Storage of MICR Resources	◆	◆	◆	◆	◆
Locks on Standard Paper Trays		◆	◆		◆
320 GB Hard Disk Drive with Locked Print, Data Encryption & DataOverwriteSecurity System	Optional		◆	◆	◆
<b>Workflow Support</b>					
PCL5e/PCL6/PS3 Emulation	◆	◆	◆	◆	◆
Genuine Adobe PostScript3 (option)	◆	◆	◆	◆	◆
Genuine IPDS				◆	◆

**USES SECURITY FEATURES BUILT INTO IPDS**

1. Optional **Attention Light** communicates system status in loud environments.
2. Separate jobs by user or document type with the optional **4 Bin Mailbox**.
3. The **10.1" Smart Operation Panel** offers intuitive operation with tablet-like functionality and includes USB and SD card slots to print from portable media.
4. The **Multi-Folding Unit** performs several page folding patterns in the original footprint of the machine, great for EOBs!
5. **100-sheet Bypass** accepts a wide variety of media types and sizes.
6. **Standard dual 550-sheet Trays** are user adjustable up to 11" x 17".
7. Add the **1,500-sheet Side Large Capacity Tray** to boost paper supply to 4,700 sheets (with the 2,000-sheet LCT).
8. Add two more **550-sheet user adjustable Trays** for maximum media flexibility.
9. The **3,000-sheet Finisher** offers a huge stacking capacity plus in-line stapling and optional hole punching to handle any application.



Whichever model is best suited to your needs, rest assured the SP 8400DNM MICR Printer will deliver high speed, high resolution – and most importantly – highly durable MICR printing day after day. Rosetta Technologies' optimized MICR fonts and ProMark™ toner ensure uniform signal strength and superior adhesion for ultra-reliable performance, and we back it with our world famous MICR Performance Guarantee.

# SP 8400DNM MICR Printer System Specifications

Technology:	Laser beam scanning with electro-photographic printing
Development Process:	Dual-component toner development
Warm-up Time:	21 seconds
First Print Speed:	2.2 seconds
Continuous Print Speed:	60-ppm (Letter)
Maximum Monthly Volume:	Up to 53,000 pages/month
Duty Cycle:	300,000 pages/month
Operation Panel:	10.1" Smart Operation Panel color touch screen display with integrated SD Card slot and USB 2.0 Type A Host port
Multiple Prints:	Up to 999 sets
Paper Capacity	
Standard:	550-sheet Tray x 2 + 100-sheet Bypass Tray = 1,200 sheets
Optional:	550-sheet Tray x 2 or 2,000-sheet LCT + 1,500-sheet Side LCT
Maximum:	4,700 sheets
Auto Duplexing:	Standard, 100% productivity
Paper Sizes	
Standard Trays 1 & 2:	5.5" x 8.5" to 11.7" x 17", Envelopes / A6 - A3
Bypass Tray:	3.5" x 5.8" to 12" x 23.6", Envelopes / A6 - A3
Optional Trays 3 & 4:	5.5" x 8.5" to 11.7" x 17", Envelopes / A6 - A3
Optional LCTs:	Fixed for 8.5" x 11"/A4
Duplexing:	3.5" x 5.8" to 11.7" x 17" / A6 - A3
Paper Weights	
Standard Trays 1 & 2:	16 - 82 lb. Bond / 170 lb. Index (60 - 300 g/m <sup>2</sup> )
Bypass Tray:	14 - 82 lb. Bond / 170 lb. Index (52 - 300 g/m <sup>2</sup> )
Optional Trays 3 & 4:	16 - 82 lb. Bond / 170 lb. Index (60 - 300 g/m <sup>2</sup> )
Optional LCTs:	16 - 82 lb. Bond / 170 lb. Index (60 - 300 g/m <sup>2</sup> )
Duplexing:	14 - 68 lb. Bond / 140 lb. Index (52 - 256 g/m <sup>2</sup> )
Supported Media Types:	Check stock, Pressure seal, IRD Paper, Bond, Card Stock, Color, Letterhead, Plain, Preprinted, Recycled (All sources) Envelopes (Trays & Bypass only) Labels & OHP (Bypass only)
Output Capacity	
Standard:	500 sheets (8.5" x 11"/A4 or smaller) 250 sheets (8.5" x 14"/B4 or larger)
Maximum:	4,000 sheets (3,000-sheet Finisher w/250-sheet Proof Tray + 250-sheet Bridge Unit + 4 Bin Mailbox @ 125 sheets/bin)
Dimensions (WxDxH):	23.1" x 25.7" x 28.3" (587 x 653 x 720 mm) Main unit only
Weight:	125.6 lbs. (57 kg) including consumables
Power Requirements:	120V - 127V, 60Hz, 12A
Power Consumption:	Operating: 1600 W, Sleep: 0.79 W

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

**Rosetta Support:** Onsite Installation; 7x24 MICR Phone Support; Operator Training & MICR Certification, Multiple Service Options Available



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## PRINT CONTROLLER

CPU:	Intel Atom Processor Bay Trail @ 1.46 GHz
System Memory:	2.0 GB RAM Standard/Maximum
Hard Disk Drive:	320 GB – <i>Optional for DNM, standard on Guardian, IPDS and IPDS Secure models</i>
Print Resolutions:	600 x 600 dpi, 1200 x 1200 dpi
Controller Interfaces	
Standard:	Gigabit Ethernet x 1 (1000Base-T/100Base-TX/10Base-T) USB 2.0 Type A x 2, SD Card slot x 2
Optional (install one):	IEEE 802.11 a/b/g/n Wireless LAN IEEE 1284/ECP Parallel Interface Extended USB 2.0 Type B Board
Network Protocol Support:	TCP/IP (IPv4, IPv6)
Network/OS Support:	Windows UNIX (using Ricoh UNIX filter)
Printer Drivers/Languages	PCL 5e, PCL 6 (XL) PostScript 3 emulation & PDF Direct Print emulation Media
Standard:	Direct Print (JPEG/TIFF) Intelligent Printer Data Stream (IPDS) – <i>Standard on IPDS and IPDS Secure models only</i>
Optional:	Adobe® PostScript® 3™ & Adobe PDF Direct Print, XPS
Fonts	
Standard:	MICR: E-13B, CMC-7 PCL/PS3 emulation/PDF: 80 Roman + 13 International fonts IPDS: 108 Roman fonts – <i>Standard on IPDS and IPDS Secure models only</i>
Optional:	Adobe PS3/PDF: 136 Roman fonts

## PRIMARY HARDWARE ACCESSORIES\*

- 550 x 2 Paper Feed Unit
- 550 x 2 Paper Feed Unit with Locks
- 2,000-sheet Large Capacity Tray
- 2,000-sheet Large Capacity Tray with Lock
- 1,500-sheet Side Large Capacity Tray
- 1,500-sheet Side Large Capacity Tray with Lock
- 3,000-sheet Finisher
- 1,000-sheet Hybrid Finisher
- 4 Bin Mailbox
- Multi-Folding Unit
- Cabinet Stand

\*Partial list. Some accessories require additional equipment, may be a prerequisite for, or preclude configuration with others. See your Rosetta sales representative for more information.

## SECURITY FEATURES

- Authentication (Windows/LDAP/Kerberos/Basic/User Code/802.1.x Wired)
- Compulsory Security Stamp
- DataOverwriteSecurity System (DOSS)
- Encryption (Address Book/Authentication Password/SSL Communication/S/MIME/IPsec Communication/HDD/SMT/PT over SSL/TLS/Transport Layer Security/SSH/Wireless LAN)
- IP Address Filtering
- Locked Print (requires HDD)
- Network Protocol Control
- Quota Setting/Account Limit
- Unauthorized Copy Prevention/Mask Type for Copying
- Wireless LAN Security (WPS/IEEE802.11i/IEEE802.11w) (optional)

## SUPPLY YIELDS & VOLUMES

ProMark MICR Toner Yield:	50,000 pages per bottle @ 4% image coverage
MICR Maintenance Kit A:	160,000 pages (Drum Unit, Transfer Unit, Waste Toner Bottle)
MICR Maintenance Kit B:	320,000 pages (Fusing Unit)