

KNOWLEDGE TRANSLATED | SP 8400DNM MICR PRINTER

Check printing performance for light production

A 60 ppm MICR laser printer for check-intensive departments that cannot justify production-class equipment, in five configurations from standard to IPDS Secure.



INSIDE

- 60 ppm output, rated for up to 53,000 impressions per month
- Expandable media capacity up to 4,700 sheets, 11" x 17" support
- Security matrix: five configurations, from MICR Printer to IPDS Secure

THE BOTTOM LINE

The SP 8400DNM is our high-speed departmental MICR printer. It prints 60 ppm, produces up to 53,000 pages per month for about a penny per page, and expands to 4,700 sheets of paper supply. Busier departments can add printers to double or triple MICR output at a fraction of the cost and space of production machines.

HIGH SPEED, LOW COST

High speed, low cost MICR printing

Looking to pick up the pace of your check printing? Designed in partnership with industry leader Ricoh, the SP 8400DNM MICR Printer is a rugged 60 ppm laser workhorse optimized for high speed MICR check printing.

60 ppm	53,000	4,700	160,000
Continuous print speed (Letter)	Impressions per month, rated maximum	Sheets maximum paper capacity	Impression drum

High speed departmental printing

- Fast 60 ppm output speed
- 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
- Our certified E13B and CMC-7 MICR fonts
- Our MICR Performance Guarantee

Ready to take on all types of mission-critical applications, including IPDS printing, the compact and affordable SP 8400DNM is built 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.

DEPARTMENTAL SYSTEM

More than an ordinary printer

A high-end departmental system

The SP 8400DNM is built on a 1.46 GHz controller employing Ricoh's Workstyle Innovation Technology platform. Multi-layered security and authentication features protect valuable data streams and media, and the large 10.1" Smart Operation Panel provides intuitive ease of use.

Versatile and expandable

Configure 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. Finishing accessories provide advanced in-line stacking, finishing and/or folding to reduce post-printing collation errors in multi-page EOB printing. With media sizes up to 11" x 17", it suits commercial printers and service bureaus.



Printing checks is an exact science

Every document must meet precise standards for font clarity, position, signal strength and adhesion to stand up to multiple passes through high-speed reader-sorters. Only Rosetta Technologies bundles our MICR toner and software technology with Ricoh's award-winning hardware to deliver MICR printing solutions that exceed industry standards. With our proven ProMark™ MICR toner and E-13B and CMC-7 MICR fonts, the SP 8400DNM delivers MICR quality and readability page after page.

Our MICR Performance Guarantee

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

Put the SP 8400DNM to work in your office to reduce check printing costs while you improve the quality, productivity and customer satisfaction of your MICR printing applications. We bring the knowledge and technology, backed by over 20 years of industry experience, to make your MICR applications run smoothly. Rosetta Technologies plus Ricoh: an attractive combination.

SECURITY AND CONFIGURATIONS

Feature-rich security in a choice of configurations

Data and document security are top priorities for check printing environments, so every SP 8400DNM carries 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.

- **SP 8400DNM Secure** adds locking paper trays to protect valuable check stocks.
- **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.
- **SP 8400DNM IPDS Secure** offers genuine native Intelligent Printer Data Stream (IPDS) with built-in data security plus standard locking media trays, for IPDS documents in a secure environment.
- All optional media supplies are available with and without locks for every SP 8400DNM configuration, for a completely secure MICR printing solution.



SP 8400DNM security/configuration matrix

	SP 8400DNM MICR Printer	SP 8400DNM Secure	SP 8400DNM Guardian	SP 8400DNM IPDS	SP 8400DNM IPDS Secure
Security features					
User Authentication	✓	✓	✓	Uses security features built into IPDS	
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		✓	✓	✓
Workflow support					
PCL5e/PCL6/PS3 Emulation	✓	✓	✓	✓	✓
Genuine Adobe PostScript3 (option)	✓	✓	✓	✓	✓
Genuine IPDS				✓	✓

✓ = included. On the IPDS and IPDS Secure models, the security features in the first eight rows are provided by the security built into IPDS.

Whichever model suits your needs, the SP 8400DNM MICR Printer delivers high speed, high resolution and, most importantly, highly durable MICR printing day after day. Our optimized MICR fonts and ProMark toner ensure uniform signal strength and superior adhesion for ultra-reliable performance, and we back it with our MICR Performance Guarantee.

CONFIGURATION OPTIONS

Build the system around your workflow

The numbered components below build a fully configured SP 8400DNM, from the standard trays to the finisher.

#	Component	What it does
1	Attention Light (optional)	Communicates system status in loud environments.
2	4 Bin Mailbox (optional)	Separates jobs by user or document type.
3	10.1" Smart Operation Panel	Intuitive operation with tablet-like functionality, with USB and SD card slots to print from portable media.
4	Multi-Folding Unit	Performs several page folding patterns in the original footprint of the machine, suited to EOBs.
5	100-sheet Bypass	Accepts a wide variety of media types and sizes.
6	Standard dual 550-sheet Trays	User adjustable up to 11" x 17".
7	1,500-sheet Side Large Capacity Tray	Boosts paper supply to 4,700 sheets (with the 2,000-sheet LCT).
8	Two more 550-sheet user adjustable Trays	Maximum media flexibility.
9	3,000-sheet Finisher	Large stacking capacity plus in-line stapling and optional hole punching to handle any application.



SPECIFICATIONS

SP 8400DNM system specifications

Print engine

Technology	Laser beam scanning with electro-photographic printing
Development process	Dual-component toner development
Warm-up time	21 seconds
First print time	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
Auto duplexing	Standard, 100% productivity
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 to 127V, 60Hz, 12A
Power consumption	Operating: 1600 W, Sleep: 0.79 W

Paper handling

	Sizes	Weights
Standard Trays 1 & 2	5.5" x 8.5" to 11.7" x 17", Envelopes / A6 to A3	16 to 82 lb. Bond / 170 lb. Index (60 to 300 g/m ²)
Bypass Tray	3.5" x 5.8" to 12" x 23.6", Envelopes / A6 to A3	14 to 82 lb. Bond / 170 lb. Index (52 to 300 g/m ²)
Optional Trays 3 & 4	5.5" x 8.5" to 11.7" x 17", Envelopes / A6 to A3	16 to 82 lb. Bond / 170 lb. Index (60 to 300 g/m ²)
Optional LCTs	Fixed for 8.5" x 11"/A4	16 to 82 lb. Bond / 170 lb. Index (60 to 300 g/m ²)
Duplexing	3.5" x 5.8" to 11.7" x 17" / A6 to A3	14 to 68 lb. Bond / 140 lb. Index (52 to 256 g/m ²)

Paper capacity: standard	550-sheet Tray x 2 + 100-sheet Bypass Tray = 1,200 sheets
Paper capacity: optional	550-sheet Tray x 2 or 2,000-sheet LCT + 1,500-sheet Side LCT
Paper capacity: maximum	4,700 sheets
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)
Output capacity: maximum	4,000 sheets (3,000-sheet Finisher w/250-sheet Proof Tray + 250-sheet Bridge Unit + 4 Bin Mailbox @ 125 sheets/bin)

Print controller

CPU	Intel Atom Processor Bay Trail @ 1.46 GHz
System memory	2.0 GB RAM Standard/Maximum
Hard disk drive	320 GB: optional for DNM, standard on Guardian, IPDS and IPDS Secure models
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
Controller interfaces: 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: standard	PCL 5e, PCL 6 (XL) PostScript 3 emulation & PDF Direct Print emulation Media Direct Print (JPEG/TIFF) Intelligent Printer Data Stream (IPDS): standard on IPDS and IPDS Secure models only
Printer drivers/languages: 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: standard on IPDS and IPDS Secure models only
Fonts: optional	Adobe PS3/PDF: 136 Roman fonts

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/SMTP 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)

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 Technologies sales representative for more information.

Supply yields and 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)

Support

Rosetta Technologies support	Onsite Installation; 7x24 MICR Phone Support; Operator Training & MICR Certification; Multiple Service Options Available
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FROM ROSETTA TECHNOLOGIES

Light-production MICR, without the production footprint

The SP 8400DNM prints 60 ppm, holds up to 4,700 sheets, and comes in the configuration your security and workflow require. Rosetta Technologies, 5912 Breckenridge Parkway, Tampa, FL 33610.

Guaranteed MICR

ANSI, ABA and Canadian Payments Association acceptance standards with our approved check stock, supplies, MICR fonts and authorized service.

Support

Onsite installation, 7x24 MICR phone support, operator training and MICR certification, and multiple service options.

Supplies

ProMark MICR toner: 50,000 pages per bottle. Kit A: 160,000 pages. Kit B: 320,000 pages.

Tell us your monthly volume, applications and security requirements, and we will configure the SP 8400DNM to match.

Contact usrosettatechnologies.com(800) 937-4224 | info@rosettatechnologies.com

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