

# SP C840DNM

COLOR MICR PRINTER



## THE COMPLETE COLOR MICR CHECK PRINTING SOLUTION



### SUPERIOR FULL COLOR PRINTING

- 45-ppm output speed at up to 1,200 x 1,200 dpi
- 12" x 18" media support
- Expandable media supply up to 4,700 sheets
- Integrated duplexing at 100% productivity
- Genuine Adobe® PostScript®3™
- Intuitive 10.1" Smart Operation Panel
- Up to 50,000 impressions per month

### OPTIMIZED FOR MICR WORKFLOWS

- Eliminate pre-printed check stocks
- Support for 300 digital color check forms through CheckStream Color Plus
- E13B and CMC-7 Rosetta Technologies' certified MICR fonts included
- Generate ASC X9- and ABA-compliant MICR output
- Rosetta Technologies' MICR Performance Guarantee for optimal MICR signal strength, accuracy and adhesion

# FULL COLOR DIGITAL MICR CHECK PRINTING

The first of its kind, Rosetta Technologies' SP C840DNM Color MICR Printer is a 45-ppm heavy-duty color laser printer with integrated MICR capability. It eliminates all restrictions on the in-house production of color checks while relieving businesses of the limitations and expense of using pre-printed check stock.

The SP C840DNM merges Rosetta Technologies' best-in-class ProMark™ MICR toner, E-13B and CMC-7 MICR fonts, and CheckStream Color Plus check printing software with Ricoh's award-winning color laser printer technology to deliver a totally secure, cutsheet color MICR check printing solution. In fact, Rosetta guarantees that every check printed using our MICR toner and MICR fonts on the SP C840DNM will meet or exceed ANSI and ABA industry standards for adhesion, signal strength, character sharpness, and read rates.

## Eliminate Pre-printed Check Stock

Now CPAs, financial institutions, payroll companies, property management firms—any business that prints checks for multiple clients—can do so without the burden of continuously ordering, managing, and securing expensive pre-printed check stocks for each account. With the SP C840DNM, businesses simply inventory blank white perforated MOCR paper to create every check for every account. The SP C840DNM prints all unique check form data, fixed and variable, including the MICR line and incremental check numbers to transform white safety paper into negotiable financial documents.

- Print only the checks you need, only when needed
- Print colored backgrounds with embedded security features, as well as the endorsement side
- No need to secure pre-printed check stock, or worry about running short ever again
- Reduce waste and the need to destroy check forms each time an address, bank, or account number changes



## Versatile, High Quality Color MICR Printing

Designed in partnership with Ricoh, the SP C840DNM is a 45-ppm color laser printer optimized and tested to flawlessly execute MICR check printing applications. Print onto media as large as 12" x 18" at resolutions up to 1,200 x 1,200 dpi at 100% productivity.

Built to perform reliably in the most demanding environments, the SP C840DNM is expandable, versatile, and powerful enough to support volumes of up to 50,000 impressions per month. Increase paper supply to up to 4,700 sheets, replenish media on the fly for non-stop productivity, and add high-capacity stacking with in-line finishing options.

A powerful Intel 1.75 GHz controller quickly processes every job, while multi-layered security and authentication features protect valuable MICR workflows. The entire system is operated through the user-friendly and customizable 10.1" Smart Operation Panel, allowing the SP C840DNM to handle everyday color office printing volumes in addition to check printing applications.

## In-house Transactional Check Printing

Businesses of all types and sizes cut hundreds of checks every month to suppliers, customers, employees, and service providers. Some enterprises, like insurance companies, are in the business of printing EOBs and claim checks. Whatever the application, the SP C840DNM makes it easy for organizations to print live transactional checks including the amount, MICR line, and authorized payor signature onto plain paper.

- Support for most major accounting software packages with Rosetta's CheckStream Color Plus front-end software
- Maintain control over finances with internal check printing capabilities
- Eliminate the need to purchase, inventory, and keep track of pre-printed check stocks
- Add color and embedded security features



# USING CUTSHEET BLANK PAPER? YES!

The SP C840DNM allows businesses to offer new revenue-generating services, reduce check printing expenses, or both. Print any kind of check—payroll, promotional, claim, transactional, AP, money orders, multi-up personal and business checkbooks—in full color onto blank perforated check stock. Do it all using your favorite accounting software package AND handle all of your everyday office color printing needs in one solution.

The SP C840DNM Color MICR Printer. There's nothing else like it.  
**Rosetta + Ricoh. It's a game-changing combination.**

## Unlock New Business Opportunities

Smaller print-for-pay shops and check printers can now offer full-color, on-demand customized check printing services without minimum volume limits. The SP C840DNM is an affordable means to enter the retail check printing market while increasing overall color output capacities. The compact, high speed SP C840DNM supports media up to 12" x 18", ideal for printing multi-up checks that will be cut and bound into personal and business checkbooks.

- Expand your business: offer full-color courtesy checks, fulfillment checks, trans-promotional checks, money orders, and more
- Eliminate the need to source or print colored check stocks
- Condense multi-step blank check printing processes into one seamless digital workflow
- Do away with outdated, specialized equipment for printing MICR lines—save time and space



## Back up Production Color Check Printing

Large banks, service bureaus, and other companies with high blank check printing volumes will find the SP C840DNM to be the perfect complement to production-class color MICR check printing systems. More than a failsafe device, the SP C840DNM is an excellent solution for printing short runs, make-up jobs, and rush jobs—saving the biggest runs for continuous-form printers.

- Keep production moving when high-end color check printers are offline for any reason (supplies, media, maintenance)
- Quickly execute short runs and make-up jobs without complex set-up procedures
- Print accurate digital proofs before committing to a lengthy production run



## CheckStream Color Plus Software: The Key to Simple Color Check Printing

Printing checks is an exact science, with precise tolerances for MICR character position, signal strength, security features, and check forms. But that doesn't mean it has to be difficult.

Rosetta Technologies' CheckStream Color Plus is a front-end software utility that makes it easy for users to set up accounts and merge variable financial data to print full-color checks onto blank perforated paper. Create an unlimited number of accounts with a simple one-time set-up procedure. Intelligent and secure, CheckStream Color Plus stores all unique account information, ensures proper check form selection, sequential check numbering, and error-free job recovery.

Checks printed on the SP C840DNM using CheckStream Color Plus have embedded security features such as the VOID Pantograph, Eurion Dot Security, and watermarks imprinted into the colored background. It prints fixed check form data including the "PAY TO THE ORDER OF" lines and boxes, payor and bank information, and the MICR line. It also prints variable information such as the date, payee, amount fields, and payor signature. With standard automatic duplexing, the SP C840DNM also prints the endorsement side of the check in one pass.

CheckStream Color Plus includes 300 different check forms, an array of colored backgrounds, and a number of different styles (check on top, check in the middle, check on bottom, and three-up). Additionally, it is pre-loaded with default check forms for ten of the most popular accounting packages, including QuickBooks, Microsoft Dynamics, and others.



# SP C840DNM Color MICR Printer System Specifications



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## MAIN UNIT

Technology: Development Process:	Laser beam scanning with electrophotographic printing Dual-component toner development; 4-tandem drums
Warm-up Time:	20 seconds or less
First Print Time:	B&W: 4.0 seconds; Full-color: 5.7 seconds
Continuous Print Speed:	45-ppm (B&W/Full-color, Letter)
Monthly Print Volume:	Up to 50,000 pages/month
Maximum Duty Cycle:	200,000 pages/month
Operation Panel:	Tilting, customizable 10.1" Smart Operation Panel
Multiple Prints:	Up to 999 sets
Paper Capacity Standard: Maximum:	550-sheet Tray x 2 + 100-sheet Bypass Tray = 1,200 sheets Up to 4,700 sheets with optional Trays or Large Capacity Trays
Auto Duplexing:	Standard, 100% productivity
Paper Sizes Standard Tray 1: Standard Tray 2: Bypass Tray: Optional Trays 3 & 4: Optional LCTs: Duplexing:	5.5" x 8.5" to 8.5" x 11" 5.5" x 8.5" to 12" x 18" 3.5" x 5.8" to 12" x 18" 5.5" x 8.5" to 12" x 18" Fixed for 8.5" x 11" 3.5" x 5.8" to 12" x 18"
Paper Weights All Trays & LCTs: Bypass Tray: Duplexing:	16 - 82 lb. Bond / 170 lb. Index (60 - 300 g/m <sup>2</sup> ) 14 - 82 lb. Bond / 170 lb. Index (52 - 300 g/m <sup>2</sup> ) 14 - 68 lb. Bond / 140 lb. Index (52 - 256 g/m <sup>2</sup> )
Paper Types MICR Printing: Office Printing:	Perforated check stock, Pressure seal paper, IRD paper Bond, Coated, Card stock, Colored, Letterhead, Plain, Preprinted, Recycled (All sources) Envelopes (Trays & Bypass only) Labels & OHP (Bypass only)
Output Capacity Standard: Maximum:	500 sheets (8.5" x 11" or smaller) 250 sheets (8.5" x 14" or larger) Up to 4,000 sheets with optional equipment
Dimensions (WxDxH): Weight: Power Requirements: Power Consumption:	23.1" x 27" x 34" (Main unit only) 187 lbs. 120V - 127V, 60Hz, 12A Operating: 1,584 W, Sleep: 0.7 W

## PRINT CONTROLLER

CPU:	Intel Atom Processor Bay Trail-I @ 1.75 GHz
System Memory:	2.0 GB RAM Standard/Maximum
Hard Disk Drive:	320 GB (Optional)
Print Resolutions:	600 x 600 dpi, 1200 x 1200 dpi
Controller Interfaces Standard:	Gigabit Ethernet x 1 USB 2.0 Type A 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 Vista, 7, 8.1, 10, Server 2008/R2, Server 2012/R2 Mac OS X v. 10.8 or later Citrix XenApp 5.0+, SAP R/3, Various Linux/UNIX OSS
Printer Drivers/Languages Standard:	PCL 5c, PCL 6 (XL) PostScript 3 emulation & PDF Direct Print emulation Media Direct Print (JPEG/TIFF)
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
Optional:	Adobe PS3/PDF: 136 Roman fonts
Utilities:	Ricoh @Remote Ricoh Device Manager NX Ricoh Web Image Monitor Rosetta CheckStream Color Plus (optional)

## CHECKSTREAM COLOR PLUS SOFTWARE MINIMUM SYSTEM REQUIREMENTS

Supported Client OS:	Windows 7, 8, 10, Server 2008, Server 2012, Server 2016
CPU:	Intel Pentium or higher
Memory:	Minimum 2 GB free hard disk space, 4 GB RAM
Hard Disk Drive:	20 GB with 260 MB free space for program installation, scripts, forms and configuration files
Monitor Resolution:	800 x 600 dpi or higher
Network Connection:	Ethernet Network Card or Wireless Access Point
Supported Accounting Applications:	Dac Easy, Macola, MAS 90, Microsoft Dynamics, Microsoft Money, Peach Tree, QuickBooks, RealWorld, Timberline, Yardi

## PRIMARY HARDWARE ACCESSORIES\*

- 550 x 1 Paper Feed Unit
- 550 x 2 Paper Feed Unit
- 2,000-sheet Large Capacity Tray
- 1,500-sheet Side Large Capacity Tray
- 3,000-sheet Finisher
- 1,000-sheet Booklet Finisher
- 1,000-sheet Hybrid Finisher
- 4 Bin Mailbox
- 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/802.1x Wired)
- Compulsory Security Stamp
- DataOverwriteSecurity System (DOSS) and Encryption\*
- Encryption (Address Book/Authentication Password/SSL Communication/S/MIME/IPsec Communication/SMTP over SSL/TLS/Transport Layer Security/SSH/Wireless LAN)
- IP Address Filtering
- Locked Print\*
- Network Protocol Control
- Quota Setting/Account Limit
- Unauthorized Copy Prevention/Mask Type for Copying
- Wireless LAN Security (WPS/IEEE802.11i/IEEE802.11w) (optional)

\*Optional HDD required

SUPPLIES	PART #	PAGE YIELD
Print Cartridge, MICR, SP C840DNM	1084C000	23,000*
Print Cartridge, Yellow, SP C840A	1184C002	34,000**
Print Cartridge, Magenta, SP C840A	1184C003	34,000**
Print Cartridge, Cyan, SP C840A	1184C004	34,000**
Drum Unit MICR, SP C840DNM	1084C001	60,000
Color Drum Unit, SP C840 (Includes Cyan, Magenta & Yellow units)	1184C005	60,000**
Waste Toner Bottle, SP C840	1184C006	80,000**
Fusing Unit, SP C840	1184C007	160,000**
Transfer Unit, SP C840	1184C009	200,000**

\*Declared yield values for MICR toner based on 4% image coverage.  
\*\*Declared yield values in accordance with ISO/IEC 19798.

**Rosetta MICR Quality 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:

- 7x24 MICR Phone Support
- Operator Training & MICR Certification
- On site service, multiple options available



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