

COLOR MICR PRINTER | SP C840DNM

The complete color MICR check printing solution

Full-color checks, MICR line included, printed on blank perforated stock at 45 ppm. The same printer handles your everyday color office printing.



INSIDE

- 45 ppm output at up to 1,200 x 1,200 dpi, with 12" x 18" media support
- 300 digital color check forms through CheckStream Color Plus
- Our MICR Performance Guarantee for signal strength, accuracy and adhesion

THE BOTTOM LINE

The SP C840DNM is a 45 ppm color laser printer with integrated MICR. It prints complete, negotiable color checks onto blank perforated stock, supports up to 50,000 impressions a month, and expands to 4,700 sheets. You stop ordering, managing and securing pre-printed check stock.

FULL COLOR DIGITAL MICR

Full color digital MICR check printing

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

45 ppm B&W and full color, Letter	1,200 x 1,200 dpi maximum resolution	50,000 Impressions per month, up to	300 Digital color check forms in CheckStream Color Plus
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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
- Our certified E13B and CMC-7 MICR fonts included
- Generate ASC X9- and ABA-compliant MICR output
- Our MICR Performance Guarantee for optimal MICR signal strength, accuracy and adhesion

The SP C840DNM merges our 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 secure, cutsheet color MICR check printing solution.

Our MICR Quality Guarantee

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. We guarantee ANSI, ABA and Canadian Payments Association acceptance standards when you use our approved check stock, supplies, MICR fonts and authorized service.

WHERE IT FITS

Blank stock in, negotiable checks out

Eliminate pre-printed check stock

CPAs, financial institutions, payroll companies, property management firms and any business that prints checks for multiple clients can do so without continuously ordering, managing and securing expensive pre-printed check stocks for each account. With the SP C840DNM, you inventory blank white perforated MICR paper and create every check for every account. The printer 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 again
- Reduce waste and the need to destroy check forms each time an address, bank or account number changes

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 lets organizations print live transactional checks, including the amount, MICR line and authorized payor signature, onto plain paper.

- Support for most major accounting software packages with our 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



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 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 demanding environments, it is expandable and versatile, and supports 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.

An Intel 1.75 GHz controller processes every job quickly, while multi-layered security and authentication features protect valuable MICR workflows. You run the entire system from the user-friendly, customizable 10.1" Smart Operation Panel, and the SP C840DNM handles everyday color office printing volumes in addition to check printing applications.

USING CUTSHEET BLANK PAPER? YES.

New revenue, lower check printing costs, or both

The SP C840DNM lets businesses 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 from your favorite accounting software package, and handle all of your everyday office color printing in one solution. Rosetta Technologies plus Ricoh.

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 way to enter the retail check printing market while increasing overall color output capacity. The compact, high speed SP C840DNM supports media up to 12" x 18", ideal for 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 digital workflow
- Do away with outdated, specialized equipment for printing MICR lines, and save time and space

Back up production color check printing

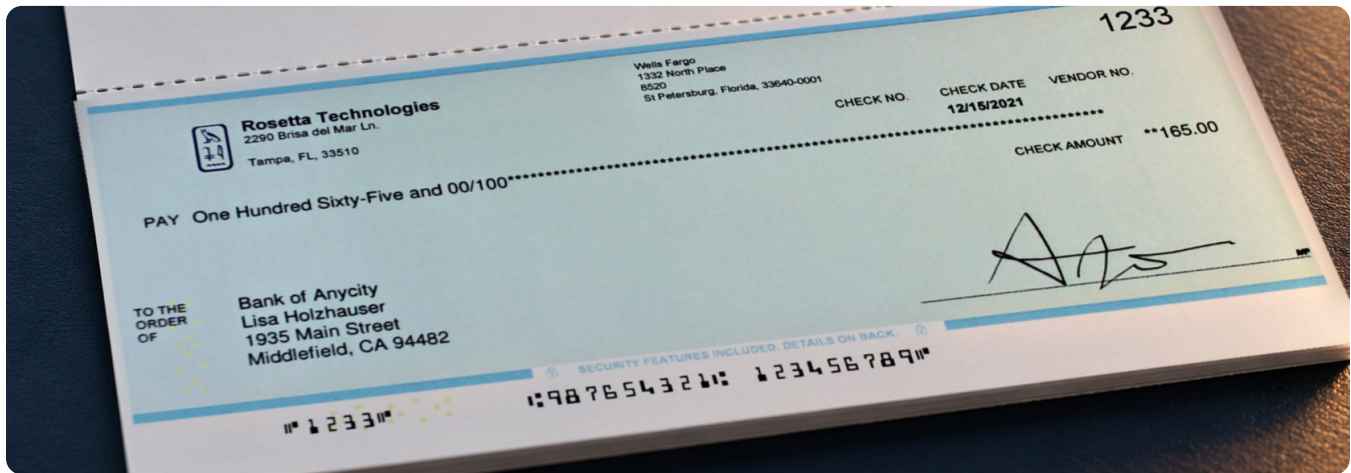
Large banks, service bureaus and other companies with high blank check printing volumes will find the SP C840DNM a complement to production-class color MICR check printing systems. More than a failsafe device, it handles short runs, make-up jobs and rush jobs, saving the biggest runs for continuous-form 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. That does not mean it has to be difficult.



CheckStream Color Plus is our front-end software utility that makes it easy 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. CheckStream Color Plus stores all unique account information securely and ensures proper check form selection, sequential check numbering and error-free job recovery.

- **Embedded security features:** checks printed on the SP C840DNM using CheckStream Color Plus carry the VOID Pantograph, Eurion Dot Security, and watermarks imprinted into the colored background.
- **Fixed check form data:** the “PAY TO THE ORDER OF” lines and boxes, payor and bank information, and the MICR line.
- **Variable information:** the date, payee, amount fields and payor signature.
- **One pass:** with standard automatic duplexing, the SP C840DNM also prints the endorsement side of the check in one pass.
- **300 check forms:** CheckStream Color Plus includes 300 different check forms, an array of colored backgrounds, and several styles (check on top, check in the middle, check on bottom, and three-up).
- **Ready for your accounting package:** pre-loaded with default check forms for ten of the most popular accounting packages, including QuickBooks, Microsoft Dynamics and others.

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

SPECIFICATIONS

SP C840DNM system specifications

Main unit

Technology	Laser beam scanning with electrophotographic printing
Development process	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	550-sheet Tray x 2 + 100-sheet Bypass Tray = 1,200 sheets
Paper capacity: maximum	Up to 4,700 sheets with optional Trays or Large Capacity Trays
Auto duplexing	Standard, 100% productivity
Dimensions (WxDxH)	23.1" x 27" x 34" (Main unit only)
Weight	187 lbs.
Power requirements	120V to 127V, 60Hz, 12A
Power consumption	Operating: 1,584 W, Sleep: 0.7 W

Paper sizes and weights

	Paper sizes	Paper weights
Standard Tray 1	5.5" x 8.5" to 8.5" x 11"	16 to 82 lb. Bond / 170 lb. Index (60 to 300 g/m ²)
Standard Tray 2	5.5" x 8.5" to 12" x 18"	16 to 82 lb. Bond / 170 lb. Index (60 to 300 g/m ²)
Bypass Tray	3.5" x 5.8" to 12" x 18"	14 to 82 lb. Bond / 170 lb. Index (52 to 300 g/m ²)
Optional Trays 3 & 4	5.5" x 8.5" to 12" x 18"	16 to 82 lb. Bond / 170 lb. Index (60 to 300 g/m ²)
Optional LCTs	Fixed for 8.5" x 11"	16 to 82 lb. Bond / 170 lb. Index (60 to 300 g/m ²)
Duplexing	3.5" x 5.8" to 12" x 18"	14 to 68 lb. Bond / 140 lb. Index (52 to 256 g/m ²)

Source weights are listed for 'All Trays & LCTs'; they are shown here against each tray.

Paper types: MICR printing	Perforated check stock, Pressure seal paper, IRD paper
Paper types: office printing	Bond, Coated, Card stock, Colored, Letterhead, Plain, Preprinted, Recycled (All sources) Envelopes (Trays & Bypass only) Labels & OHP (Bypass only)
Output capacity: standard	500 sheets (8.5" x 11" or smaller) 250 sheets (8.5" x 14" or larger)
Output capacity: maximum	Up to 4,000 sheets with optional equipment

Supplies

Supply	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.

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
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 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)
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
Fonts: optional	Adobe PS3/PDF: 136 Roman fonts
Utilities	Ricoh @Remote Ricoh Device Manager NX Ricoh Web Image Monitor Rosetta Technologies CheckStream Color Plus (optional)

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 Technologies sales representative for more information.

Security features

Authentication (Windows/LDAP/Kerberos/Basic/User Code/802.1.x 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

FROM ROSETTA TECHNOLOGIES

Print the whole check, in color, on blank stock

With CheckStream Color Plus, the SP C840DNM prints the colored background, embedded security features, form data, MICR line and, with standard automatic duplexing, the endorsement side in one pass. 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

7x24 MICR phone support, operator training and MICR certification, and on site service with multiple options.

CheckStream Color Plus

300 check forms, default forms for ten popular accounting packages, and an unlimited number of accounts.

Tell us how many accounts you print for and which accounting software you run, and we will show you the SP C840DNM workflow.

Contact us

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