



# Ricoh Aficio SP C420DN-KP Color HotSpot Printer

**A Secure Mobile Printing Solution That Allows Anyone to Print From Anywhere At Anytime.**

**Give every user the freedom to easily print documents, e-mails and Web content in full-color from Internet-enabled laptops, cell phones and handheld devices without downloading drivers or installing additional software. Ricoh HotSpot technology ensures reliable access to driverless laser printing in a totally embedded, secure mobile printing system. The RICOH® Aficio® SP C420DN-KP Color HotSpot Printer delivers powerful 31-ppm full-color and monochrome laser printing with superior image quality on every page. Increase printing productivity and offer unique capabilities with a brandable, turn-key solution. Ricoh HotSpot printing technology makes it easy to print anywhere.**



# SuperiorRobustConnectedProductive

## A Complete Plug-and-Play Solution

Ricoh has partnered with PrinterOn® Corporation, a leading provider of mobile printing technology, to deliver the industry's first and only fully integrated, full-color mobile printing solution.

- Simple installation — This turn-key system is self-configuring and ready to Print Simply Anywhere® in minutes. Access to the Internet is all that's needed. Plus, every Ricoh Aficio SP C420DN-KP includes a one-year subscription to PrinterOn's mobile printing service.
- Totally embedded — All printer hardware enhancements are preconfigured; all software is pre-loaded, no additional support is required. That means no external appliances and no way for users to accidentally change system settings or access other jobs.
- A real One-for-All solution — Use the compact Ricoh Aficio SP C420DN-KP for daily network color printing tasks in addition to supporting mobile users with HotSpot. Designed to fit in the tightest workspaces, this universal printer enables every user to print in full-color with greater control while minimizing compatibility and support issues.

## Total Data Security

Every environment with existing high-speed Internet access — wired or wireless — can reduce their support burden with Ricoh's versatile HotSpot Printer technology.

- Mobile handheld device printing — Simply forward any e-mail from PDAs or Internet-enabled cell phones — with or without attachments — to the HotSpot Printer's e-mail address. No drivers required!
- Driverless Web-based printing — Surf to the HotSpot Printer Web address using any browser, and upload a file or enter the Web page URL to be printed. After submitting each print request, the service automatically replies to the sender's e-mail address with a secure release code that is entered at the keypad attached to the printer.
- Ironclad data encryption — All print jobs are encrypted and transferred using 128-bit secure SSL communications.
- Secure mobile printing — After printing, every job is automatically erased from printer memory. No worries about unauthorized reprinting.

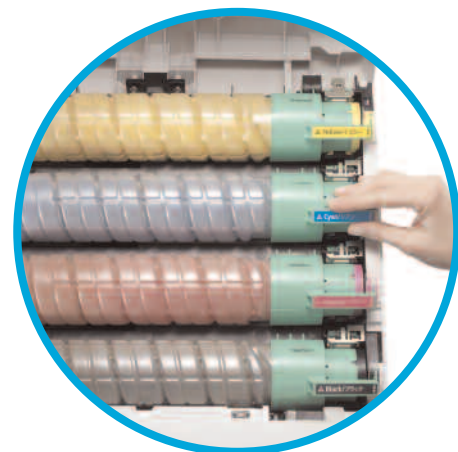
## Simple Branded Web Interface Options

Ricoh HotSpot Printer technology adds value by enabling organizations to take greater ownership of this solution as an exclusive, branded interface to build customer loyalty or as a revenue generating service for cost recovery.

- Flexibility — Set up the Ricoh Aficio SP C420DN-KP mobile printing solution as a free convenience to attract new customers or as a chargeable printing service to increase revenues.
- Customizable interface — Incorporate company logos and colors on the PrintSpots™ Web page to reflect your business identity and present HotSpot printing as a value-added service exclusive to your establishment.
- Add links and custom messages — Customize the main user interface to add links to other websites, add new printers or insert new screens for additional services, print job options and job confirmation/approval steps.
- Support for third party billing systems — Ricoh is partnering with PrinterOn and WebPay Services Aps (WPS) to enable hosted billing solutions so that the system can count the number of pages, calculate the job cost, and initiate a credit card billing sequence. When sending a job from a PC the service is called WebPay. When sending from a handheld device it is called MobilePay.



Driverless full-color printing to any Ricoh HotSpot Printer on your network makes mobile professionals and field-based service and sales agents more productive.



High-yield toner bottles deliver low cost-per-page factors and install quickly for maximum uptime and ease of use.

## The Total Green Office Solution



Ricoh continues its long-standing commitment to developing office solutions with environmentally friendly and superior energy- and supply-saving features, without compromising productivity.



# Ricoh Aficio SP C420DN-KP

## Specifications

Aficio®

### The HotSpot Workflow: Printing from your PDA, Laptop or Phone is as easy as 1, 2, 3.



1. Documents and Web pages to be printed are sent from a wired or wireless laptop, cell phone or handheld device to the PrintSpots™ server using 128-bit SSL encryption.

The printer's unique Web page or e-mail address is noted on a label affixed to the printer.

Each job is assigned a private release code automatically.

2. The receiving server generates a compressed printable data file and transmits it securely to the destination printer, once again using 128-bit SSL encryption for complete file integrity and protection.

3. The job resides safely in the printer's hard disk drive until the user arrives at the printer and enters a confidential 4 – 10 digit release code using the attached keypad.

The file is decompressed, printed and is then automatically erased from memory for total security. It's that easy!

#### System Specifications

<b>SP C420DN-KP Configuration</b>	Part #406624 Desktop Color Laser Printer
<b>Imaging Process</b>	Laser beam scanning, electro-photographic printing, Dual component toner, 4 tandem drum method
<b>Print Speed</b>	31-ppm (Letter) in Full-Color and B&W
<b>First Print Speed</b>	Color: 15 seconds; B&W: 10 seconds
<b>Warm-Up Time</b>	< 30 seconds
<b>Print Resolutions</b>	600 x 600 dpi, 1200 x 600 dpi, 1200 x 1200 dpi
<b>GPU</b>	800MHz
<b>Memory</b>	512 MB RAM (Standard/Maximum) 60 GB Hard Disk Drive Type 420 (Standard)
<b>Printer Languages*</b>	PCL5c, PCL6, Adobe® PostScript®3™ + PDF Direct, Ricoh Refined Print Command Stream (RPCS)
*Page Description Languages are accessible for standard network printing only.	
<b>Fonts</b>	136 PostScript 3 fonts, 45 Intellifonts, 13 International fonts
<b>Standard Interfaces</b>	10Base-T/100Base-TX Ethernet, USB 2.0, USB Host Interface for Keypad, VM Card for JAVA-based SDK option
<b>Optional Interfaces</b>	IEEE 802.11a/b/g Wireless LAN, Bluetooth Wireless, Gigabit Ethernet, IEEE 1284 Parallel
<b>Network Protocols</b>	Simultaneous auto-sensing/auto-switching
<b>Operating Systems</b>	TCP/IP, Novell IPX/SPX, AppleTalk Windows 2000/XP/Server 2003/Vista NetWare v 3.12, 3.2, 4.1, 4.11, 5.0, 5.1, 6, 6.5 Macintosh OS 8.6 – 9.2x, OS X 10.1 or later UNIX (using Ricoh UNIX filter) SAP R/3 3.x or later
<b>Maximum Paper Capacity</b>	2,300 sheets
<b>Standard Tray</b>	550 sheets
<b>Bypass Tray</b>	100 sheets
<b>Optional Paper Tray</b>	550 sheets (1, 2, or 3 may be added)
<b>Duplex</b>	Standard Automatic Duplexing (Approx. 100% of simplex speed)

<b>Acceptable Paper Sizes*</b>	Std. & Opt. Trays: 3.9" x 5.8" to 8.5" x 14" Bypass Tray: Width: 2.8" - 8.5"; Length: 5.5" - 35.4"
*HotSpot print jobs default to either Letter or Legal size. Other paper sizes are only available when the device is used as a standard network printer.	
<b>Acceptable Paper Weights</b>	All Sources: 14 lb. - 57 lb. Bond/ 120 lb. Index When Duplexing: 14 lb. - 43 lb. Bond/ 90 lb. Index
<b>Output Capacity</b>	500 sheets, face down
<b>Keypad</b>	Ricoh USB Keypad
<b>Dimensions (WxDxH)</b>	17.6" x 23.2" x 19.2" (Add 1" height when keypad is installed)
<b>Weight</b>	110 lb.
<b>Power Source</b>	120V, 60Hz
<b>Maximum Power Consumption</b>	990W or less
<b>Energy Saver Mode</b>	6W or less

#### Options & Supplies

<b>IEEE 802.11a/b/g Wireless LAN Type L</b>	Part #403000
<b>Bluetooth Wireless Type 3245</b>	Part #412866
<b>Gigabit Ethernet Type A</b>	Part #402547
<b>IEEE 1284 Parallel Paper Feed Unit Type 4000*</b>	Part #411699
	Part #420165
*Optional Paper Feed Units can only be accessed when the printer is used as a standard network printer.	
<b>Ricoh BB-HPL10A-R Ethernet Adaptor</b>	Part #100123FNG
<b>PrinterOn Two-Year Service Extension</b>	Part #003357MIU
<b>HY Black Toner Cartridge</b>	Part #888308 Yield: 15,000 pages*
<b>HY Yellow Toner Cartridge</b>	Part #888309 Yield: 15,000 pages*
<b>HY Magenta Toner Cartridge</b>	Part #888310 Yield: 15,000 pages*
<b>HY Cyan Toner Cartridge</b>	Part #888311 Yield: 15,000 pages*
<b>Black Toner Cartridge</b>	Part #888276 Yield: 5,000 pages*
<b>Yellow Toner Cartridge</b>	Part #888277 Yield: 5,000 pages*
<b>Magenta Toner Cartridge</b>	Part #888278 Yield: 5,000 pages*

<b>Cyan Toner Cartridge</b>	Part #888279	Yield: 5,000 pages*
<b>Photoconductor Unit Black</b>	Part #402319	Yield: 50,000 pages
<b>Photoconductor Unit Color</b>	Part #402320	Yield: 50,000 pages
<b>Waste Toner Bottle Intermediate Transfer Unit</b>	Part #402323	Yield: 100,000 pages
<b>Paper Feed Roller for 3rd PFU</b>	Part #403066	Yield: 100,000 pages
<b>Maintenance Kit (Type C411)</b>	Part #402593	Yield: 100,000 pages
Includes Fusing Unit, Transfer Roller, Paper Feed Roller.		
*@ 5% coverage.		

The Ricoh SP C420DN-KP ships with a one-year subscription to the PrinterOn Service which must be registered in order to be active.

The Ricoh SP C420DN-KP ships with starter toner cartridges that yield 3,000 pages; all other consumables ship at full yield.

For maximum performance and yield, we recommend using genuine Ricoh parts and supplies.

#### Bundled Solution

The Ricoh Aficio SP C420DN-KP HotSpot Printer arrives with these components already installed for true plug-and-play mobile printing:

- Aficio SP C420DN-KP with 550-Sheet Paper Tray & 100-Sheet Bypass Tray
- 512 MB RAM
- 60 GB Hard Disk Drive
- USB Host Interface
- Ricoh USB Keypad
- JAVA VM Card
- PrinterOn's JAVA-based mobile printing software
- One-Year PrinterOn Subscription included

#### Warranty

The Ricoh Aficio SP C420DN-KP is under warranty against defects for a period of one year from the date of purchase. Consumables are under warranty for a period of 90 days from the date of purchase or until depleted, which ever comes first. Please refer to warranty document shipped with the product for more details.

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www.ricoh-usa.com

#### Bringing Ricoh Value to Your Organization

Ricoh technology offers a diverse portfolio of solutions to help your organization stay competitive and move ahead. Let Ricoh show you how to empower your business to improve critical processes, keep information secure, ensure compliance and promote environmental sustainability while reducing the total cost of ownership.

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