Ricoh Aficio SP C431DN-HS

Color HotSpot Printer

Simply print any document from anywhere at any time

RICOH

easy

mobile

convenient

Ricoh Aficio SP C431DN-HS Color HotSpot Printer

Ricoh places the power of driverless mobile printing in the hands of every user.

That's right—high-resolution, full-color 42-ppm laser printing from anywhere. All you need is Internet access because the RICOH® Aficio® SP C431DN–HS comes bundled with a one year subscription to PrinterOn Mobile Printing Service*. Ricoh's HotSpot technology is the only customizable mobile printing solution completely embedded inside a desktop printer. The SP C431DN-HS Color HotSpot Printer offers a fast and easy means for corporate guests, clients, traveling executives and mobile employees to print e-mails and attachments, documents and Web pages using virtually any Internet-enabled device…without the need for IT support, to install drivers, apps, cables or authenticate users.

*Additional one year or multi-year Subscription Extensions are available for an additional fee.

Mobile**Convenient**Color**Print**

A Multitasking Printer

The Ricoh Aficio SP C431DN-HS Color HotSpot Printer delivers the added value of serving networked users—in addition to meeting the need for efficient mobile printing—all in a single space-saving device.

- Allow mobile professionals and field-based sales reps and techs to print across the Web using any Internet-enabled laptop, iPad®, handheld device, or smartphone including BlackBerry®, iPhone® and Android® products quickly, conveniently and securely.
- Leverage the SP C431DN-HS's powerful 600 MHz controller and generous memory capacity to serve the everyday printing needs of authorized users.
- Lower your total cost of ownership with a single solution that enables networked employees as well as temporary users to easily print with increased productivity while reducing IT support requirements across your organization.

Offer convenient printing to corporate guests and visitors without having to access your company's network.

A Secure, Embedded Solution

The SP C431DN-HS provides access to brilliant full-color network printing without giving unmonitored access to your network.

- Web-based PrinterOn Mobile Printing Service operates totally independently from your company network. All mobile print jobs are processed outside your company firewall.
- Install a completely embedded solution. All hardware and software are pre-loaded inside the printer. That means no external appliances, keypads or servers at the installation site.
- Mitigate the risk that sensitive documents will be seen in the printer tray by an unauthorized party. Files can only be printed after the job owner enters a private release code for each job at the machine.

Easily Fits Into Any Environment or Workflow

Public or private network, paid service or free amenity, the SP C431DN-HS fits anywhere convenient mobile printing is required.

- Install HotSpot printing as a free public service to attract new customers or boost loyalty among hotel and convention center guests.
- Set up the SP C431DN-HS as a chargeable service to recover printing costs or generate new revenues. The HotSpot mobile printing solution integrates seamlessly with PayPal™, the global leader in online payment solutions.
- Use HotSpot as a productivity-enhancing tool for executives on the go, who can be sure their job will not be printed until they enter their unique private release code at the machine.
- Change the design of the customizable PrintSpots™ Web page to reflect your business identity. Add services, print job options, job confirmation/approval steps, additional printers, links to other Websites and more to present HotSpot printing as a value-added service exclusive to your establishment.

Build your brand. Take ownership of the mobile printing service by customizing the HotSpot printer's Web page with your company's logo, colors, targeted messages and links to other services.

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 C431DN-HS
System Specifications

Aficio®

Main Unit Specifications

Configuration	Desktop Color Laser Printer
Technology	Laser beam scanning & electrophotographic printing Dual-component toner development 4 drum tandem method
Keypad	Integrated 12-key alphanumeric keypad
Resolution	600 x 600 dpi (1 bit) 600 x 600 dpi (2 bit) 1200 x 1200 dpi (1 bit)
Print Speed (LTR)	42-ppm Full-color & Monochrome
First Print Speed	Full-color: 15 seconds Monochrome: 10 seconds
Warm-up Time	50 seconds or less
Standard Paper Supply	550-sheet Tray + 100-sheet Bypass Tray = 650 sheets
Optional Paper Supply	550-sheet Paper Feed Unit (Up to 3 may be installed)
Maximum Paper Capacity	2,300 sheets
Automatic Duplexing	Standard (100% productivity)

Acceptable Paper Sizes*:

Std. & Optional Trays	3.9" x 5.8" to 8.5" x 14" (98 mm x 148 mm to 216 mm x 356 mm)
Bypass Tray	2.8" x 5.0" to 8.5" x 49.6" (70 mm x 127 mm to 216 mm x 1260 mm)

*HotSpot print jobs default to either Letter or Legal size. Other paper sizes and envelope printing are only available when the device is used as a standard network printer.

Acceptable Paper Weights:

Std. & Optional Trays	14 – 59 lb. Bond / 120 lb. Index (52 – 220 g/m²)
Bypass Tray	14 – 69 lb. Bond / 140 lb. Index (52 – 256 g/m²)
When Duplexing	16 – 44 lb. Bond / 90 lb. Index (60 – 163 g/m²)
Output Capacity	500 sheets, face down
Dimensions (WxDxH)	17.48" x 25.91 " x 19.29" (444 mm x 658 mm x 490 mm)
Weight	126 lb. (57 kg)
Power Requirements	120 – 127V, 60Hz
Power Consumption	Maximum: 1520W or less Operating: 894W or less Energy Saver: 110W Sleep: 6W

Print Controller Specifications

CPU	600 MHz
Memory	768 MB RAM standard/maximum
Hard Disk Drive	80 GB (standard)
Standard Interfaces	10/100Base-TX Ethernet USB 2.0 Host (Type A) USB 2.0 Hi Speed (Type B) SD Card slot for JAVA-based device
Optional Interfaces	IEEE 802.11a/g Wireless LAN Gigabit Ethernet IEEE 1284/ECP Parallel
Printer Languages/ Drivers*	PCL 5c PCL 6 Adobe PostScript 3 + PDF Direct Print

*Page Description Languages are accessible for standard network printing only.

Fonts	PCL: 45 fonts + 13 International fonts PostScript 3: 136 fonts

Network Protocols	TCP/IP (IPv4, IPv6) AppleTalk IPX/SPX (optional)
Supported Environments	Windows 2000, XP, Vista, 7 Server 2003 & 2003R2, Server 2008 Mac OS 8.6 – 9.x, OS X v.10.2+ Novell NetWare v 6.5+, SAP R/3 Citrix Presentation Server UNIX (Ricoh Filter Phase 11)
Software Utilities	Web Image Monitor Web SmartDeviceMonitor SmartDeviceMonitor for Admin @Remote
Security Capabilities	Enhanced Locked Print-NX Administrator Authentication (5 levels) User Authentication (5 types including 500 User Codes) SNMP v3 Authentication, IPsec Communications 128-bit SSL Print Job Data Encryption User Lockout/Auto Logout Locked Print HDD Data Encryption + DataOverwriteSecurity System (DOSS) Address Book & Password Encryption WPA (Wi-Fi Protect Access)

Options & Accessories

	Part #
IEEE 802.11a/g Wireless LAN (Type L)	403000
Gigabit Ethernet (Type A)	402547
IEEE 1284/ECP Parallel (Type A)	411699
Camera Direct Print Card (Type H)	406676
HDD DataOverwriteSecurity (Type K)	402998
HDD Encryption Unit (Type D)	403113
SD Card for Netware Printing (Type D)	406688
Paper Feed Unit (PB1020)*	406691
Tip-resistant Caster Table (Type C)	406755
1 Year HotSpot Subscription Extension	006174MIU
2 Year HotSpot Subscription Extension	003357MIU
3 Year HotSpot Subscription Extension	004813MIU
4 Year HotSpot Subscription Extension	004814MIU

*Optional Paper Feed Units can only be accessed when the device is used as a standard network printer.

Consumables & Yields

	Part #
Black Toner Bottle SP C430A 21,000 pages*	821070
Yellow Toner Bottle SP C430A 24,000 pages*	821071
Magenta Toner Bottle SP C430A 24,000 pages*	821072
Cyan Toner Bottle SP C430A 24,000 pages*	821073
Black Photoconductor Unit SP C430 50,000 pages**	406662
Color Photoconductor Unit SP C430 50,000 pages**	406663
Intermediate Transfer Unit SP C430 100,000 pages**	406664
Waste Toner Bottle SP C430 50,000 pages**	406665
Fusing Unit SP C430 120,000 pages**	406666

*Declared toner yield values in accordance with ISO/IEC 19798. Actual yields may vary based on types of images printed and other factors.

**Declared imaging component yields based on 5% coverage, 3 pages/job. Actual yields may vary based on images printed and other factors.

The Ricoh Aficio SP C431DN-HS ships with starter toner bottles yielding 3,000 pages each @ 5% coverage each. All other consumables ship at full yield.

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

HotSpot Specifications

Printing Modes:

Web-based	User types the printer's URL (Web address) into an Internet browser from a laptop
E-mail	Laptops, PDAs and Internet-enabled smart phones can print any e-mail message and/or attachments to the address assigned to the HotSpot Printer
Supported File Formats	Microsoft Word 2.0 > 2007 Microsoft Excel 2.0 > 2007 Microsoft PowerPoint 4.0 > 2007 Microsoft Visio 5 > 2007 OpenOffice.org Adobe PDF Web pages (htm, html, mhtml) Text & TRFT files JPEG, TIFF, BMP, PNG and GIF files
Languages Supported	English, French, Spanish, Dutch, Italian, and German
Security	All jobs submitted through a HotSpot Web page are transmitted using SSL encryption. The transmission of files submitted via e-mail is not encrypted by default, but PrinterOn mail servers accept requests for TLS authentication for all jobs submitted via e-mail.
Job Release Code	Each job is automatically assigned a private 4 – 10 digit Release Code which must be entered at the device before the job can be printed.
Hotline Support	If further assistance during the initial setup and any other aspects of normal operations of this product is required, or if the printer requires service, please contact the Printer/Scanner Help Desk at Ricoh Americas Corporation by using the toll-free numbers: 1-800-RICOH38 or 1-800-742-6438
Warranty and Service	HotSpot printers ship with a one year subscription to the PrinterOn mobile printing service which must be registered in order to be active. The Ricoh Aficio SP C431DN-HS 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, whichever comes first. Please refer to warranty document shipped with the product for more details.

Mobile Printing Made Easy

Once you send a print job from your Internet-enabled mobile device, it's transmitted to the target printer or MFP where it's stored in memory until the release code is entered and the job prints...it's that easy!

RICOH

www.ricoh-usa.com

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PRINT SIMPLY ANYWHERE