

Ricoh Aficio SP C430DN/SP C431DN Color Laser Printer

An extraordinary printer for all
your ordinary printing needs

RICOH

power



control



value



Ricoh Aficio SP C430DN/SP C431DN

Make ordinary documents look brilliant.

Invest in a business asset that will pay dividends for years to come. Spend your hard earned technology dollars wisely on the RICOH® Aficio® SP C430DN/SP C431DN Color Laser Printer. Solidly built for lasting value, this powerful yet easy-to-use network printer combines speed, reliability, and superior image quality with a broad range of media support. The Ricoh Aficio SP C430DN/SP C431DN does it all at a low cost of ownership with security and cost-saving tools that make dynamic color accessible to every authorized user.



PowerControlValuePrintColor

You're in command of productivity

The Ricoh Aficio SP C430DN/SP C431DN keeps pace with the busiest workgroups through its fast speed, powerful controller, and simplified ease of use.

- Choose from two engines to meet your volume and productivity requirements: The Ricoh Aficio SP C430DN offers full-color and monochrome print speeds of 37 pages per minute. Busier workgroups can step up to the faster 42-ppm Ricoh Aficio SP C431DN.
- Rip through files faster with the high-performance 600MHz CPU and vast megabytes of memory. Get full-color first prints in as little as 15 seconds.
- Maximize uptime and ease of use with long-lasting supplies designed for quick and clean replacement, plus an angled 4-line LCD that displays system and consumable status at a glance.

You're in charge of quality and cost

The Ricoh Aficio SP C430DN/SP C431DN delivers outstanding image quality at minimal cost.

- Produce vibrant color output and crisp text at true 1200 x 1200 dpi resolution for superior results.
- Optimize output quality for every job with advanced color calibration, ink simulation, and PANTONE® color matching support.
- Drive down printing costs with long-lasting supplies that yield up to 24,000 pages per color (CMY) toner bottle*.
- Plus, Ricoh's Economy Color mode reduces the density of graphic elements while printing text at full strength to lower printing costs without impacting legibility.

*Toner yields in accordance with ISO/IEC 19798.

You choose the media for your message

The Ricoh Aficio SP C430DN/SP C431DN offers a versatile, expandable media supply to handle jobs of any size.

- Install up to three optional 550-Sheet Paper Feed Units for a maximum 2,300-sheet capacity. Keep up to 5 different media sizes/types available at all times for unmatched flexibility.
- Adjust each paper tray for media sizes up to 8.5" x 14" with support for thick stocks up to 120 lb. Index. Duplex printing is supported up to 90 lb. Index.
- Use the 100-Sheet Bypass Tray for extra heavy stocks up to 140 lb. Index and special media like static cling paper, waterproof/coated papers, and banners up to 8.5" x 49" long.

You're in control of data security

The Ricoh Aficio SP C430DN/SP C431DN delivers simple yet advanced device access and data protection.

- Restrict device access, set volume limits, and track printer usage for up to 500 individual users.
- Use the 80 GB Hard Disk Drive (standard on the Ricoh Aficio SP C431DN) to enable advanced features like Locked Print, Stored Print, and Hold Print.
- Send print jobs securely from any computer to a network connected Ricoh Aficio SP C431DN with Enhanced Locked Print (ELP) NX. Once stored, users can retrieve files from any other ELP-NX enabled device on the network*.

*ELP-NX FlexRelease Server required.



Enhanced Locked Print-NX* enables secure, password-protected printing to any network device supporting ELP-NX. The Control Panel includes a 12-key alphanumeric keypad to make entering passwords easier.

*Standard on Ricoh Aficio SP C431DN.



Economy Color mode lowers color printing costs without sacrificing quality.

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.

*Only the SP C431DN is Energy Star compliant.

Ricoh Aficio SP C430DN/SP C431DN

System Specifications

Aficio®

General Specifications

Ricoh Aficio SP C430DN	Part # 406654
Ricoh Aficio SP C431DN	Part # 406658 – Ships with 80 GB HDD, 768 MB RAM and ELP-NX (Enhanced Locked Print) as a standard function.

Configuration Technology
Desktop
Laser beam scanning & electrophotographic printing

Resolution
4 drum tandem method
1200 x 1200 dpi (1 bit)
600 x 600 dpi (1 bit)
600 x 600 dpi (2 bit)

Print Speed (LTR)
SP C430DN: 37-ppm Full-color & Monochrome
SP C431DN: 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

Optional Paper Supply
550-Sheet Paper Feed Unit (Up to 3 may be installed)

Maximum Paper Capacity
2,300 sheets

Automatic Duplexing*
Standard

*Duplex output speeds run approximately 100% of the rated simplex speed for each paper size.

Output Capacity
500 sheets, face down

Paper Sizes:
Std. & Optional Trays

Letter (8.5" x 11"), Legal (8.5" x 14"), Executive (10.5" x 7.25"), Half Letter (5.5" x 8.5"), A4 (210 x 297 mm), A5 (148 x 210 mm), A6 (105 x 148 mm), B5 (148 x 257 mm), B6 (128 x 182 mm), F (8" x 13"), Foolscap (8.5" x 13"), Folio (8.25" x 13"), Envelopes: Com10/Monarch/C6/C5/DL, Custom Size Range: Width: 3.86" – 8.5" (98 – 216 mm), Length: 5.83" – 14" (148 – 356 mm)

Bypass Tray
Letter (8.5" x 11"), Legal (8.5" x 14"), Executive (10.5" x 7.25"), Half Letter (5.5" x 8.5"), A4 (210 x 297 mm), A5 (148 x 210 mm), A6 (105 x 148 mm), B5 (148 x 257 mm), B6 (128 x 182 mm), F (8" x 13"), Foolscap (8.5" x 13"), Folio (8.25" x 13"), Envelopes: Com10/Monarch/C6/C5/DL, Custom Size Range: Width: 2.76" – 8.5" (70 – 216 mm), Length: 5.0" – 49.6" (127 – 1260 mm)

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)

Paper Types (all sources)
Plain Paper, Recycled Paper, Middle Thick Paper, Thick Paper, Thin Paper, Transparency, Letterhead, Labels, Coated Paper (Glossy/Semi-Gloss/Matte), Waterproof, Preprinted, Envelopes

Note: Support for specialty media like Aqua Ace Waterproof media and static cling paper are available. Please check with your local dealer for availability.

Dimensions (WxDxH)
17.48" x 25.91" x 19.29"
(444 x 658 x 490 mm)

Weight
126 lb. (57 kg) Includes standard paper tray and PCU

Power Requirements
120 – 127V, 60Hz

Power Consumption
Operating: SP C430DN: 825W or less
SP C431DN: 894W or less

Energy Saver: 110W
Sleep: 6W

Safety Regulations
UL60950-1, CAN/CSA C22.2 No.60950-1 (c-UL)

EMI
FCC Part15 Subpart B, IC ES-003

Print Controller Specifications

CPU
600 MHz

Memory
SP C430DN: 384 MB RAM standard, 768 MB RAM maximum
SP C431DN: 768 MB RAM standard, 768 MB RAM maximum

Hard Disk Drive
SP C430DN: 80 GB (optional)
SP C431DN: 80 GB (standard)

Standard Interfaces
10/100Base-TX Ethernet, USB 2.0 (Type A & B)

Optional Interfaces
IEEE 802.11a/g Wireless LAN, Gigabit Ethernet, IEEE 1284/EC Parallel

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

Printer Languages
PCL 5c, PCL 6, Adobe PostScript 3 + PDF Direct Print, PictBridge (optional)

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 or later; Novell Netware v.6.5 or later; UNIX (Ricoh Filter Phase 11) Sun Solaris, HP-UX, SCO

OpenServer, RedHat Linux, IBM AIX; SAP R/3 v.3.x or later; Citrix MetaFrame

*Windows 7 is available for web download August, 2010.

Security Capabilities
Enhanced Locked Print-NX (SP C431DN only)

Administrator Authentication (5 levels)

User Authentication (5 types)

SNMP v3 Authentication

128-bit SSL Print Job Data Encryption

500 User Codes

User Lockout/Auto Logout

Locked Print

DataOverwriteSecurity System (DOSS) (option)

HDD Data Encryption (option)

Address Book & Password Encryption

WPA (Wi-Fi Protect Access)

*Security features may require 80 GB Hard Disk Drive (standard on SP C431DN, optional on SP C430DN) and other optional equipment

Controller Options

256 MB RAM DIMM (Type G) Part # 414046

512 MB RAM DIMM (Type I) Part # 414635
(Std. on SP C431DN)

80GB Hard Disk Drive (Type 5000) Part # 416428
(Std. on SP C431DN)

VM Card (Type O) Part # 406678

IEEE 802.11a/g Wireless LAN (Type L) Part # 403000

Gigabit Ethernet (Type A) Part # 402547

IEEE 1284/EC Parallel (Type A) Part # 411699

Camera Direct Print Card (Type H) Part # 406676

Data Overwrite Security Unit (Type IJK-E) Part # 415682

SD Card for Netware Printing (Type D) Part # 406688

Hardware Accessories

Paper Feed Unit (PB1020) Part # 406681

Paper Size
Letter, Legal, Executive, Half letter, A4, A5, A6, B5, B6, F, Foolscap, Folio, Envelopes: Com10/Monarch/C6/C5/DL, Custom: width 3.86" – 8.5", length 5.8" – 14"

Paper Weights
14 – 59 lb. Bond /120 lb. Index (52 – 220 g/m²)

Capacity
550 sheets; up to 3 units may be added

Dimensions (WxDxH)
17.48" x 23.22" x 5.51"
(444 x 590 x 140mm)

Weight
26.46lb (12Kg)

Tip-resistant Caster Table (Type C)* Part # 406755

Dimensions (WxDxH)
23.39" x 24.23" x 5.04"
(594 x 615.5 x 128mm)
Weight 21.16lb (9.6Kg)

*Installation requires the assistance of a technician.

Consumables & Yields

Black Toner Bottle SP C430A Part # 821105
21,000 pages*

Yellow Toner Bottle SP C430A Part # 821106
24,000 pages*

Magenta Toner Bottle SP C430A Part # 821107
24,000 pages*

Cyan Toner Bottle SP C430A Part # 821108
24,000 pages*

Black Photoconductor Unit SP C430 Part # 407018
50,000 pages**

Color Photoconductor Unit SP C430 Part # 407019
50,000 pages**

Intermediate Transfer Unit SP C430 Part # 406664
100,000 pages**

Waste Toner Bottle SP C430 Part # 406665
50,000 prints**

Fusing Unit SP C430 Part # 406666
120,000 pages**

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

**Declared yield based on 5% coverage, 3 pages/job and a 50% color ratio. Actual yields may vary based on images printed and other factors.

The Ricoh Aficio SP C430DN and Ricoh Aficio SP C431DN ship with starter toner bottles yielding 3,000 pages @ 5% coverage each. All other consumables ship at full yield.

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

PANTONE® Support

PANTONE Look-up Tables and Color Palettes will be available December, 2010.

Warranty

The Ricoh Aficio SP C430DN and SP C431DN are 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 documents shipped with the product for more details.

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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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*Only the SP C431DN is Energy Star compliant.