

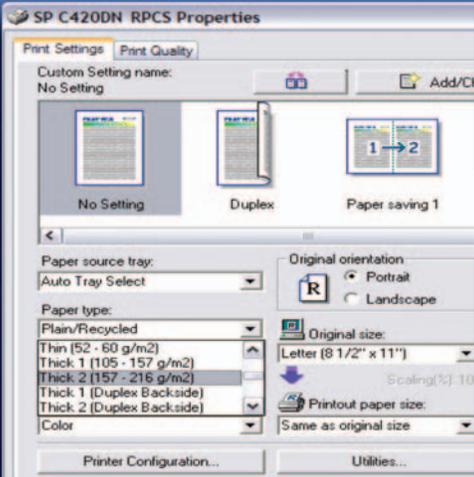
Ricoh Aficio SP C420DN
Color Laser Printer
Upgrade to Unstoppable.

RICOH

proven



reliable



value



Ricoh Aficio SP C420DN Color Laser Printer

Unmatched Quality and Cost Efficiency.

Built with a proven, award-winning color print engine, the RICOH® Aficio® SP C420DN Color Laser Printer delivers the amazing quality and reliability you expect — plus the technology you need to maximize productivity. That means higher paper capacity, dynamic paper handling and a powerful print controller. Plus, the highly affordable Ricoh Aficio SP C420DN still offers the lowest cost per page in its class.



Superior Robust Connected Productive

Increased Power and Performance

Equipped with an advanced print controller, the Ricoh Aficio SP C420DN delivers an immediate improvement in color print productivity.

- Finish every color job faster. The Ricoh Aficio SP C420DN prints 31 pages per minute in color and black & white, with image quality up to 1200 x 1200 dpi. Standard duplexing runs at nearly the same speed as simplex.
- Process complex documents more efficiently with the 800 MHz controller and standard 256 MB memory (512 MB maximum).
- Store frequently used files on the optional 60 GB hard drive for on-demand reprinting.
- Print photos immediately without a PC*. Just plug in any PictBridge™-enabled digital camera.
- Support a variety of workflows with standard interfaces for Ethernet, USB 2.0 and USB Host Interface. Options include IEEE 1284, IEEE 802.11a/g, Bluetooth and Gigabit Ethernet.
- Add functionality in Microsoft Vista with the standard XPS Driver (available via Web download).



You can print photos immediately without a PC by simply plugging any PictBridge™-enabled digital camera directly into the Ricoh Aficio SP C420DN*.

Versatile Paper Handling

Expand the boundaries of color document creation with advanced paper-handling capabilities.

- Print large, full-color documents with support for paper sizes up to 8.5" x 14" through the standard 550-Sheet Paper Tray and 100-Sheet Bypass Tray. You can also print banners up to 8.5" x 35" through the Bypass Tray.
- Minimize reloading with up to three optional 550-Sheet Paper Feed Units, bringing total paper capacity to 2,300 sheets.
- Quickly print documents that require thick or unique paper. All trays accept paper weights up to 120 lb. Index and accommodate specialty stocks. A short, soft-curve paper path reduces the risk of misfeeds.
- Add color graphics to envelopes with reliable envelope feeding from all trays.
- Select the correct paper stock in seconds. Simplified print driver settings show the actual weight (in g/m²) of the paper in each drawer.



With one standard and three optional 550-Sheet Paper Feed Units, the Ricoh Aficio SP C420DN can hold up to 2,300 sheets.

Exceptional Ease of Use

The user-friendly Ricoh Aficio SP C420DN is designed for simple, convenient color printing.

- Access menu options quickly with the streamlined control panel with 4-line LED, which also shows supply levels at a glance.
- Decrease maintenance with high-yield consumables that are easy to replace.
- Enjoy easy management. Administrators can receive e-mail alerts and use Web Image Monitor to check network settings, usage details and supply status remotely.
- Avoid wasted paper with a suspend/resume button that instantly stops printing without resetting the job.
- Control printer access and protect sensitive data with multiple security features, including print data encryption, user authentication and data overwrite.

High Reliability, Low TCO

Expect reliable performance from a solid color laser printer that is built to last.

- Handles higher print volumes than most competitors in its class.
- Produce eye-catching color quickly, for an extremely low total cost of ownership (TCO) driven by long-lasting, affordable supplies.

Your Environmental Partner



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

- Power-Saving Sleep Mode
- Duplex Mode
- Low Noise Levels
- Minimal Ozone Emissions
- Restriction of Hazardous Substances (RoHS) Compliant

*Optional Camera-Direct Print Card Required.

Ricoh Aficio SP C420DN

System Specifications

Aficio®

Engine Specifications

Configuration	Desktop
Technology	Laser-beam scanning, Electro-photographic, Dual component toner, 4 tandem drum method
Resolution	600 x 600 dpi (default); 1200 x 600 dpi; 1200 x 1200 dpi
Printing Speed	31 pages-per-minute in full-color and B&W
First Print Speed	Color: 15 seconds; B&W: 10 seconds
Dimensions (WxDxH)	17.6" x 23.2" x 19.2" (446 mm x 589.5 mm x 487 mm)
Weight	110 lb. or less (50 kg)
Warm-Up Time	Less than 30 seconds
Power Source	120V, 60Hz
Maximum Power Consumption	990W or less
Energy Saver Mode	6W or less
Maximum Paper Capacity	Up to 2,300 sheets
Standard Paper Capacity	550 sheets
Bypass Tray	100 sheets
Optional Paper Feed Unit	550 sheets (up to three paper feed units can be added)
Automatic Duplex	Standard (prints at nearly 100% simplex speed through standard tray)
Output Capacity	500 sheets, face down
Paper Sizes (All Sources)	Letter (8.5" x 11"), A4 (8.3" x 11.7"), A5 (210 x 297 mm), EXE (7.25" x 10.5"), B5 (6.9" x 9.8"), Legal (8.5" x 14") Custom Sizes: Standard Paper Tray and Optional Paper Feed Units: (width 3.9" – 8.5", length 5.8" – 14") Bypass Tray (width 2.8" – 8.5", length 5.5" – 35.4")
Paper Weight (All Sources)	14 lb. – 57 lb. Bond / 120 lb. Index (52 – 216 g/m ²) Duplexing: 16 lb. – 43 lb. Bond / 90 lb. Index (60 – 163 g/m ²)
Acceptable Paper Types (All Sources)	Thick paper/Card stock (Up to 57 lb. / 120 lb. Index / 216 g/m ²), Plain Paper/Recycled Paper, Laser Printer Qualified Transparencies, Envelopes (Com 10, Monarch, C6, C5, DL)
Safety Regulations	UL UL60950, FCC Part15 Class B device, Energy Star Tier 2 compliant

Controller Specifications

CPU	PMC-Sierra RM7935-835L 800 MHz
Printer Languages	Adobe PostScript3, PCL 5c, PCL 6, Ricoh RPCS, PDF Direct, PictBridge™ (optional)
Fonts	136 PostScript 3 fonts, 45 PCL fonts, 13 International fonts
Memory (RAM)	256 MB RAM standard; 512 MB RAM maximum
Hard Disk Drive	60 GB optional (40 GB reserved for file storage)

Standard Interfaces

10/100Base-TX Ethernet, USB 2.0, USB Host I/F

Optional Interfaces

IEEE 1284, IEEE 802.11a/g Wireless LAN, Bluetooth Wireless, Gigabit Ethernet

Network Protocols

Simultaneous auto-sensing/auto switching TCP/IP, Novell IPX/SPX, AppleTalk

Operating Systems

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, 10.2, 10.3 or later; UNIX (using Ricoh UNIX filter Phase 11) Sun Solaris, HP-UX, Red Hat Linux, SCO Open Server, IBM AIX (for UNIX support, visit www.ricoh-usa.com/downloads); SAP R/3 3.x or later

Drivers

RPCS/PCL 5c/PCL 6: Windows 2000/XP/Server2003/Vista
XPS: Windows Vista (via download only)
PS: Windows 2000/XP/Server 2003/Vista; Mac OS 8.6 – 9.2x, OS X 10.1 or later; UNIX: Sun Solaris, HP-UX, Red Hat Linux, SCO OpenServer, IBM AIX
SmartDeviceMonitor for Admin, Web SmartDeviceMonitor, Web Image Monitor, DeskTopBinder V2 Lite, Printer Utility for Mac, Agfa Font Manager 2000, DeskTopBinder Professional (optional)

Print Utilities

Controller Options

60 GB Hard Disk Drive	Type 420	Part #402999
IEEE 1284 Interface	Type A	Part #411699
IEEE 802.11a/g Interface	Type L	Part #403000
Bluetooth Interface	Type 3245	Part #412866
Gigabit Ethernet	Type A	Part #402547
Data Storage Card	Type A	Part #402627
VM Card	Type H	Part #403054
Device Customization: VM Card for Java-based device SDK option		
Camera Direct Print Card (SD Card)	Type D	Part #402996
Enables direct printing from a PictBridge™-enabled digital camera, without a PC.		

Memory Options

128 MB Memory Unit	Type G	Part #402965
256 MB Memory Unit	Type G	Part #414046
144-pin DIMM SD-RAM (PC133 Compliant); Maximum 512 MB		

Security Options

DataOverwriteSecurity System (DOSS) (optional)	Type K	Part #402998
Overwrites latent data on the system's hard drive after print jobs.		
HDD Encryption Unit (optional)	Type C	Part #402997
Encrypts data stored in the device's NVRAM and on the Hard Disk Drive.		

Other Security Features

SNMP v3 Authentication and Data Encryption (password/address book encryption); Print Data Encryption via Internet Printing Protocol (IPP); PDF Direct Print Password Protection; Locked (Secure) Print; 500 User Account Codes; User Authentication; WPA (Wi-Fi Protect Access Support)

Paper Handling Accessories

Paper Feed Unit Type 4000: Part #420165

Paper Size Standard: Letter (8.5" x 11"), A4 (8.3" x 11.7"), A5 (210 x 297 mm), EXE (7.25" x 10.5"), B5 (6.9" x 9.8"), Legal (8.5" x 14")
Custom: (width 3.9" – 8.5", length 5.8" – 14")

Free Paper Weights 14 – 57 lb. Bond /120 lb. Index (52 – 216 g/m²)

Capacity 550 sheets; up to 3 units may be added

Printer Stand FAC29: Part #402390

Consumables

HY Black Toner Cartridge	Part #888308	Yield: 15,000 pages*
HY Yellow Toner Cartridge	Part #888309	Yield: 15,000 pages*
HY Magenta Toner Cartridge	Part #888310	Yield: 15,000 pages*
HY Cyan Toner Cartridge	Part #888311	Yield: 15,000 pages*
Black Toner Cartridge	Part #888276	Yield: 5,000 pages*
Yellow Toner Cartridge	Part #888277	Yield: 5,000 pages*
Magenta Toner Cartridge	Part #888278	Yield: 5,000 pages*
Cyan Toner Cartridge	Part #888279	Yield: 5,000 pages*
Photoconductor Unit Black	Part #402319	Yield: 50,000 pages
Photoconductor Unit Color	Part #402320	Yield: 50,000 pages
Waste Toner Bottle	Part #402324	Yield: 50,000 pages
Intermediate Transfer Unit	Part #402323	Yield: 100,000 pages
Maintenance Kit (Type C411)	Part #402593	Yield: 100,000 pages
Includes Fusing Unit, Transfer Roller, Paper Feed Roller.		
Paper Feed Roller for 3rd Paper Feed Unit	Part #403066	Yield: 100,000 pages

*Declared yield value in accordance with ISO/IEC 19798. The SP C420DN 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. Specifications subject to change without notice.

RICOH

www.ricoh-usa.com

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