Ricoh Aficio SP C242DN
Color Laser Printer
Add color, reduce expenses

RICOH

compact

brilliant

efficient

Ricoh Aficio SP C242DN Color Laser Printer

Energize documents—and your workflow

One size does fit all. Whether your workgroup is large or small, the RICOH® Aficio® SP C242DN color laser printer can meet your specific color output requirements, improve productivity and reduce total cost of ownership. This innovative color laser printer streamlines workflow with a host of standard features that simplify administrative and maintenance tasks. Its compact size and user-friendly controls are ideal for any organization that values space as well as its bottom line. It even uses less power than other printers in its class. Choose the Ricoh Aficio SP C242DN as your office's workhorse printer or incorporate it as part of an integrated Managed Document Service (MDS) strategy and improve efficiency.

The Ricoh Aficio SP C242DN offers superior versatility, high-quality color and intuitive controls for budget-conscious workgroups.

QualityColorPerformanceValue

Cost-Saving Capabilities

Expand your possibilities while reducing total cost of ownership. The versatile Ricoh Aficio SP C242DN is a great investment for organizations seeking high-quality business color for documents up to 8.5" x 14".

- Produce sharp text and brilliant color images for about the same cost-per-page as black-and-white output with innovative Economy Color Mode technology. It uses less toner to deliver comparable quality and superior savings.
- Improve energy efficiency by using only a few watts of energy during print jobs. Typical electricity consumption (TEC) is lower than other printers in its class.
- Print two-sided documents with standard automatic duplexing and reduce paper use, energy consumption and overall costs.
- Choose from standard or high-yield All-In-One (AIO) print cartridge technology to streamline consumables purchasing and inventory.
- Replace top-loading AIO print cartridges in seconds without IT support. Return depleted cartridges for recycling at no cost.

Productivity-Enhancing Performance

Add brilliant color to any workflow without compromising speed or efficiency with a wide range of powerful features that empower users and improve productivity.

- Deliver up to 21 pages-per-minute in color, black-and-white or mixed output for consistent, reliable performance during every print job.
- Create high-quality business documents with crisp lines and vivid colors with true 600 x 600 dpi to 2,400 x 600 dpi equivalent resolution without losing any output speed.
- Enhance productivity and minimize wait times for prints with first print speeds of less than 14 seconds for full color and black and white, and fast warm-up times of 30 seconds or less.
- Expedite print queues and manage multiple jobs with ease via a powerful 400 MHz controller and 256MB RAM. An optional external wireless Ethernet adaptor simplifies shared use in expanding offices.
- Support a variety of network environments with PCL and PostScript 3 emulation including both Windows and Macintosh network environments, IPv6 and Bonjour applications and Citrix MetaFrame distributed print environments.
- Connect quickly and print images directly from a PictBridge-enabled digital camera using the standard USB 2.0 interface.
- Manage printer network settings, fleet utilization and check consumable levels remotely with Web Image Monitor.

User-Friendly Design

Engineered to deliver exceptional value, the compact Ricoh Aficio SP C242DN offers superior convenience for workgroups of any size.

- Accommodate thicker paper stocks with up to 42 lb. Bond/83 lb. Index and meet a wider range of print demands, including labels, transparencies and envelopes.
- Install the optional 500-sheet Paper Feed Unit beneath the printer and increase paper supply to 751 sheets without increasing the footprint—making it ideal for home offices, cubicles, kiosks and retail counters where space is limited.
- Handle special or single-page jobs with ease without having to reconfigure paper sizes in the Bypass Tray.
- Manage printer functions, error conditions and maintenance settings with the intuitive, easy-to-use control panel.

For about half the cost of a full-color print, Economy Color Mode technology reduces the amount of toner used on graphic images while maintaining full density for text, in any color, without sacrificing image quality.

Maximize uptime with high-yield, top-loading All-In-One print cartridges that can be easily replaced by any user within seconds.

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 C242DN
Specifications

Aficio®

Main Unit Specifications

Main Unit	SP C242DN – Part # 406863
Configuration	Desktop
Technology	Laser beam scanning, color electrophotographic printing with monocomponent toner development 4 tandem drum method
Resolution	600 x 600 dpi (Default) (Speed mode), 1200 x 600 dpi equivalent (Standard mode), 2400 x 600 dpi equivalent (Fine mode)
Print Speed (Letter)	21-ppm (full-color and black & white)
Warm-Up Time	30 seconds or less
First Print Speed	14 seconds or less (full color and black & white)
Paper Sizes	Standard & Bypass Tray: Letter (8.5" x 11"), Legal (8.5" x 14"), EXEC (10.5" x 7.25"), Half Letter (5.5" x 8.5"), A4 (8.3" x 11.7"), A5 (5.8" x 8.3"), A6 (4.1" x 5.8"), B5 JIS (7.2" x 10.1"), B6 JIS (5.0" x 7.2"), F (8" x 13"), Foolscap (8.5" x 13"), Folio (8.25" x 13"), 16 Kai (7.6" x 10.5") Envelopes: Com10, Monarch, C5, C6, DL Custom size: Min. 90 mm x 148 mm (3.6" x 5.92"), Max. 216 mm x 356 mm (8.64" x 14.24") Opt. Paper Feed Unit: Letter (8.5" x 11"), A4 (8.3" x 11.7")
Paper Weight	Standard and Bypass Tray: 16 – 42 lb. Bond/83 lb. Index (60 – 160 g/m^2) Opt. Paper Feed Unit: 16 – 28 lb. Bond (60 – 105 g/m^2) Duplex: 16 - 24 lb. Bond (60 – 90 g/m^2)
Standard Paper Supply	250-sheet Paper Tray + 1-sheet Bypass Tray
Optional Paper Supply	500-sheet Paper Feed Unit
Maximum Paper Capacity	751 sheets
Automatic Duplexing	Standard
Output Capacity	150 sheets (Face down)
Acceptable Paper	Standard Tray: Thin Paper, Plain Paper, Middle Thick, Thick Paper, Recycled Paper, Color Paper, Preprinted Paper, Prepunched Paper, Letterhead, Bond Paper, Cardstock, Labels, Envelopes Bypass Tray: Thin Paper, Plain Paper, Middle Thick, Thick Paper, Recycled Paper, Color Paper, Prepunched Paper, Letterhead, Bond Paper, Cardstock, Labels, Envelopes

Optional Paper Feed Unit	Thin Paper, Plain Paper, Middle Thick, Thick Paper, Recycled Paper, Color Paper, Preprinted Paper, Prepunched Paper, Letterhead
Dimensions (WxDxH)	15.7" x 17.7" x 12.6" (400 mm x 450 mm x 320 mm)
Weight	52.5 lb. (23.8 kg) (including consumables)
Power Requirements	120V, 60Hz
Power Consumption	1300W or less (max.)
Energy Saver Mode	10W or less
Safety Regulations	UL60950-1 2nd Edition, CAN/CSA C22.2 No. 60950-1 (c-UL), Energy Star 1.2

Print Controller Specifications

CPU	400MHz
Memory	256 MB RAM Standard/Maximum
Standard Interfaces	USB 2.0, Ethernet 10/100Base-TX, USB Host Interface for PictBridge
Optional Interfaces*	IEEE 802.11b/g Wireless Adaptor SX-2500CG
Network Protocols	TCP/IP (IPv4, IPv6), IPP, Bonjour
Fonts	80 HP fonts
Printer Languages/ Drivers	PCL 5c, PCL 6, PostScript 3 emulation
Supported Environments	Windows XP/Vista/7/Server 2003/ Server 2003R2/Server 2008 (32 bit/ 64 bit)/Server 2008R2 (64 bit); Mac OS X 10.3 – 10.6; Citrix MetaFrame, UNIX (using Ricoh UNIX filter)
Software Utilities	Web Image Monitor

*The optional Wireless Adaptor SX-2500CG and wired 10/100Base-TX interface cannot operate simultaneously.

Controller Options

Wireless Adaptor SX-2500CG	Part #100118FNG
Network Interface	10/100Base-TX (Auto detection)
Wireless LAN Type	IEEE 802.11b/g
Protocol Support	TCP/IP
Wireless Security	WEP (64/128), SSID, WPA-PSK (TKIP/AES), WPA2-PSK (AES)
Configuration	Via Web Browser
Dimensions (WxDxH)	5.4" x 4.4" x 1.4" (138 mm x 114 mm x 36 mm)
Weight	6 oz. (170 g)
Power Source	AC Adaptor (100-240V, 50/60Hz)

Hardware Accessories

Paper Feed Unit Type TK1010	Part # 406019
Capacity	500 sheets
Acceptable Paper Size	Letter (8.5" x 11"), A4 (8.3" x 11.7")
Acceptable Paper Weight	16 – 28 lb. Bond (60 – 105 g/m^2)

Consumables & Yields

Black All-In-One Cartridge SP C310A	2,500 pages*	Part # 406344
Cyan All-In-One Cartridge SP C310A	2,500 pages*	Part # 406345
Magenta All-In-One Cartridge SP C310A	2,500 pages*	Part # 406346
Yellow All-In-One Cartridge SP C310A	2,500 pages*	Part # 406347
Black All-In-One Cartridge SP C310HA	6,500 pages*	Part # 406475
Cyan All-In-One Cartridge SP C310HA	6,000 pages*	Part # 406476
Magenta All-In-One Cartridge SP C310HA	6,000 pages*	Part # 406477
Yellow All-In-One Cartridge SP C310HA	6,000 pages*	Part # 406478
Waste Toner Bottle Type 220	25,000 pages	Part # 406043

*Declared yield values based on ISO/IEC 19798.

The Ricoh Aficio SP C242DN ships with a set of four starter All-In-One print cartridges yielding 1,000 pages each. All other consumables ship at full yield.

Actual yields may vary based on types of images printed and other factors.

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

Specifications subject to change without notice.

Warranty

The Ricoh Aficio SP C242DN 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 documents shipped with the product for more details.

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