Ricoh Aficio SP C242SF
Desktop Color Laser MFP
Versatile performance in vivid color

RICOH

capable

affordable

on-demand

Aficio SP C242sf

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Manage more jobs more efficiently.

In today's fast-paced office environments, success hinges on doing more with less. The new RICOH® Aficio® SP C242SF Desktop Color Laser MFP offers impressive copy/print/scan/fax performance in a small footprint with a price point to match. Meet everyday workflow demands with a host of productivity-enhancing features and produce documents in vibrant color for lasting impact. Designed with user-friendly controls to simplify administrative tasks in any environment, this multifunction system offers all-in-one performance to complete more jobs in less time. Whether the SP C242SF is used as a stand-alone, primary MFP or as an integrated component in a Ricoh Managed Document Services (MDS) strategy, you'll realize the true value of versatility and convenience.

The Ricoh Aficio SP C242SF offers cost-effective print, copy, scan and fax capabilities for incredible multitasking performance and minimal total cost of ownership.

ColorEaseCompactValue

Multitask and Streamline Workflow

Manage more jobs efficiently with powerful performance from a single all-in-one system.

- Move from job to job quickly. The SP C242SF produces copies and prints up to 21 pages-per-minute for both full-color and black-and-white documents.
- Expedite printing and manage multiple jobs easily with a powerful 400 MHz controller and 256MB RAM.
- Offer convenient access for shared use in growing offices with standard networking—including IPv6 support—and an optional external wireless Ethernet adapter.
- Capture, edit and send information instantly. A full suite of Scan-To document distribution capabilities allows users to leverage existing infrastructure to improve document-related processes.
- Send faxes anywhere at the fastest available speeds with a 33.6 Kbps Super G3 Modem, built-in desktop PC faxing, Internet fax, 200 speed dials, authorized and paperless fax reception and more.
- Share information easily with a strategically placed USB port located on the front of the system. This gives users advanced Scan-to-USB functionality and convenient access for printing images from a digital camera using PictBridge™ software.
- Enjoy near-instant readiness with first print speeds of less than 14 seconds and a warm-up time of less than 30 seconds.
- Replace the standard or high-yield All-In-One print cartridges in seconds with a convenient top-loading design.

Add Color and Energize Documents

Enhance communications with sharp text and vibrant color delivered cost-effectively on a wide range of media for maximum impact.

- Create high-quality color business documents. True 600 x 600 dpi and interpolated resolutions up to 2,400 x 600 dpi meet even the highest image quality demands.
- Optimize toner usage with Economy Color Mode, limiting the amount of toner used on images and graphics to reduce color output costs.
- Capture true quality with full-color and monochrome TWAIN/WIA scanning at up to 1,200 x 1,200 dpi optical resolution and 19,200 x 19,200 dpi driver resolution.
- Accommodate more media with thick paper support up to 42 lb. Bond/83 lb. Index—for sizes up to 8.5" x 14"—from both the Standard and Bypass Trays.

Simplify and Improve Functionality

Designed to reduce total cost of ownership, the Ricoh Aficio SP C242SF packs an impressive collection of cost-efficient features into a compact desktop design.

- Preserve space with a footprint of less than 20 inches for incredible functionality while using minimal desk or counter space.
- Add paper without increasing the footprint. An optional 500-sheet Paper Feed Unit can be installed beneath the MFP to bring system capacity to 751 sheets and offer instant access to letter- and legal-size sheets.
- Enhance workflow with the standard 35-sheet Automatic Document Feeder. Users can scan originals as large as 8.5" x 14" without placing it on the platen glass to expedite multi-page copying, scanning and faxing.
- Minimize filing space and postage costs with standard automatic duplex printing.
- Protect information—and your budget. Access to system functions and page volume limits can be set with User Restriction controls. Using Locked Print can help secure confidential information.
- Monitor the system in real-time, remotely. Web Image Monitor offers immediate access to supply status and print network settings.

A user-friendly control panel simplifies job set-up, monitoring and maintenance to improve efficiency, while a convenient USB port on the front of the device provides access to the PictBridge interface and Scan-to-USB feature without a PC.

All-In-One print cartridges offer easy replacement and long-lasting results to streamline supply purchasing and minimize inventory costs.

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.

Engine Specifications

Aficio SP C242SF	Part # 406878
Configuration	Desktop
Imaging Process	Laser beam scanning & electrophotographic printing with monocomponent toner development 4-drum tandem method
Reading Element	Flatbed with CCD array image sensor
Print Resolution	600 x 600 dpi (Speed Mode) 1200 x 600 dpi equiv. (Standard Mode) 2400 x 600 dpi equiv. (Fine Mode)
Print/Copy Speed (Letter)	21 ppm/cpm B&W and Full-Color
First Print Speed	14 seconds or less
Warm-Up Time	30 seconds or less
Operating Systems	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, Presto! PageManager
Standard Paper Capacity	250-sheet Paper Tray + 1-sheet Bypass Tray
Optional Paper Capacity	500-sheet Paper Feed Unit
Maximum Input Paper Capacity	751 sheets
Output Capacity	150 sheets (face down)
Automatic Duplex	Standard
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/m²) Optional Paper Feed Unit: 16 – 28 lb. Bond (60 – 105 g/m²)
Media Type	Std. and Bypass Tray: Plain Paper, Middle Thick, Recycled Paper, Envelopes, Thick Paper, Labels, Thin Paper, Color Paper, Prepunched Paper, Letterhead, Bond Paper, Card Stock, and Preprinted Paper (Std. Tray only) Optional Paper Feed Unit: Plain Paper, Middle Thick, Recycled Paper, Thick Paper, Thin Paper, Color Paper, Preprinted Paper, Prepunched Paper, and Letterhead
Dimensions (WxDxH)	16.5" x 19.4" x 18.7" (420 x 493 x 476 mm)
Weight	66.2 lb. (30 kg or less) (including consumables)
Power Requirements	120V, 60Hz
Max. Power Consumption	1300W or less
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 Specifications

CPU	400MHz
Printer Languages	PCL 5c, PCL 6, PostScript 3 emulation
Fonts	80 fonts
RAM Memory	256 MB RAM standard/maximum
Interfaces	USB 2.0, 10/100Base-TX Ethernet, USB Host Interface for PictBridge™
Optional Interfaces	IEEE 802.11b/g Wireless
Network Protocols	TCP/IP (IPv4, IPv6), IPP, Bonjour

Note: Wireless Option and 10/100Base-TX cannot operate simultaneously.

Controller Options

Wireless Adaptor SX-2500CG	Part # 100118FNG

Copier Specifications

First Copy Speed	30 seconds for both B&W and Full-Color
Multi-Copy Speed	20 cpm B&W/10 cpm Full-Color
Copy Resolution	600 x 600 dpi (Platen) 600 x 300 dpi (ADF)
Quantity Indicator	1 – 99
Original Type	Sheet/Book/3D Objects
Original Size	Up to 8.5" x 11.7" (Platen); Up to 8.5" x 14" (ADF)
Zoom	25% – 400% in 1% increments Reduction Ratios: 50%, 65%, 78%, 93% Enlargement Ratios: 129%, 155%, 200%, 400%
Copier Features	Image Density Adjustment (manual only: 5 levels); Copy Mode (Text/Photo/ Mixed); Color Balance Adjustment; Combine Copy (2-in-1, 4-in-1 via ADF only); Duplex Copy; ID Card Copy; Memory Copy; Electronic Sorting (collation, ADF only)

Scanner Specifications

Scan Modes	Full-Color, Black and White, Grayscale
Compression	Black and White: MH/MR/MMR Color/Grayscale: JPEG
Scan Resolution	Up to 1200 x 1200 dpi (optical) Up to 19200 x 19200 dpi (interpolated)
Scan Speed	Black and White: Less than 5 seconds-per-page Grayscale: Less than 5 seconds-per-page Full-Color: Less than 10 seconds-per page
Scan Interface	USB 2.0, 10/100Base-TX Ethernet
Utilities & Drivers	TWAIN Driver, Presto! PageManager
Scanning Features	TWAIN/WIA, Scan-to-Email/Folder/ FTP/USB

Facsimile Specifications

Circuit	PSTN, PBX
Compatibility	ITU-T Group 3
Resolution	Standard Mode: 200 x 100 dpi Fine Mode: 200 x 200 dpi
Compression	MH/MR/MMR/JBIG
Scanning Speed	Less than 5 seconds-per-page (B&W) Less than 10 seconds-per-page (Full-Color)
Modem Speed	33.6 Kbps with automatic fallback
Transmission Speed	Super G3: 2 seconds-per-page (based on ITU-T Test Chart #1 in Standard mode)
Memory Backup	1 hour
SAF Memory	2MB
One-Touch/Speed Dials	20 locations/200 locations

Facsimile Features

Facsimile Features	Auto Redial; Auto Answer (3 – 5 rings); Auto/Manual/Substitute/ Authorized Reception; Answering Machine Interface (FAX/TAD); Error Correction Mode; User Codes; Memory/Immediate Transmission; Parallel Memory Transmission; Resolution Adjustment; Image Reduction; Serial Broadcasting (100 locations); Smoothing; Contrast Control; Internet Fax; PC Fax (Windows only)

Hardware Accessories

Paper Feed Unit Type TK1010	Part # 406019 Paper Size: Letter (8.5" x 11"), A4 (8.3" x 11.7") Capacity: 500 sheets

Consumables

Item	Yield	
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 in accordance with ISO/IEC 19798. Actual yields may vary based on types of images printed and other factors.

The Ricoh Aficio SP C242SF ships with a starter All-In-One print cartridge that yields approximately 1,000 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.

Warranty

The Ricoh Aficio SP C242SF 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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