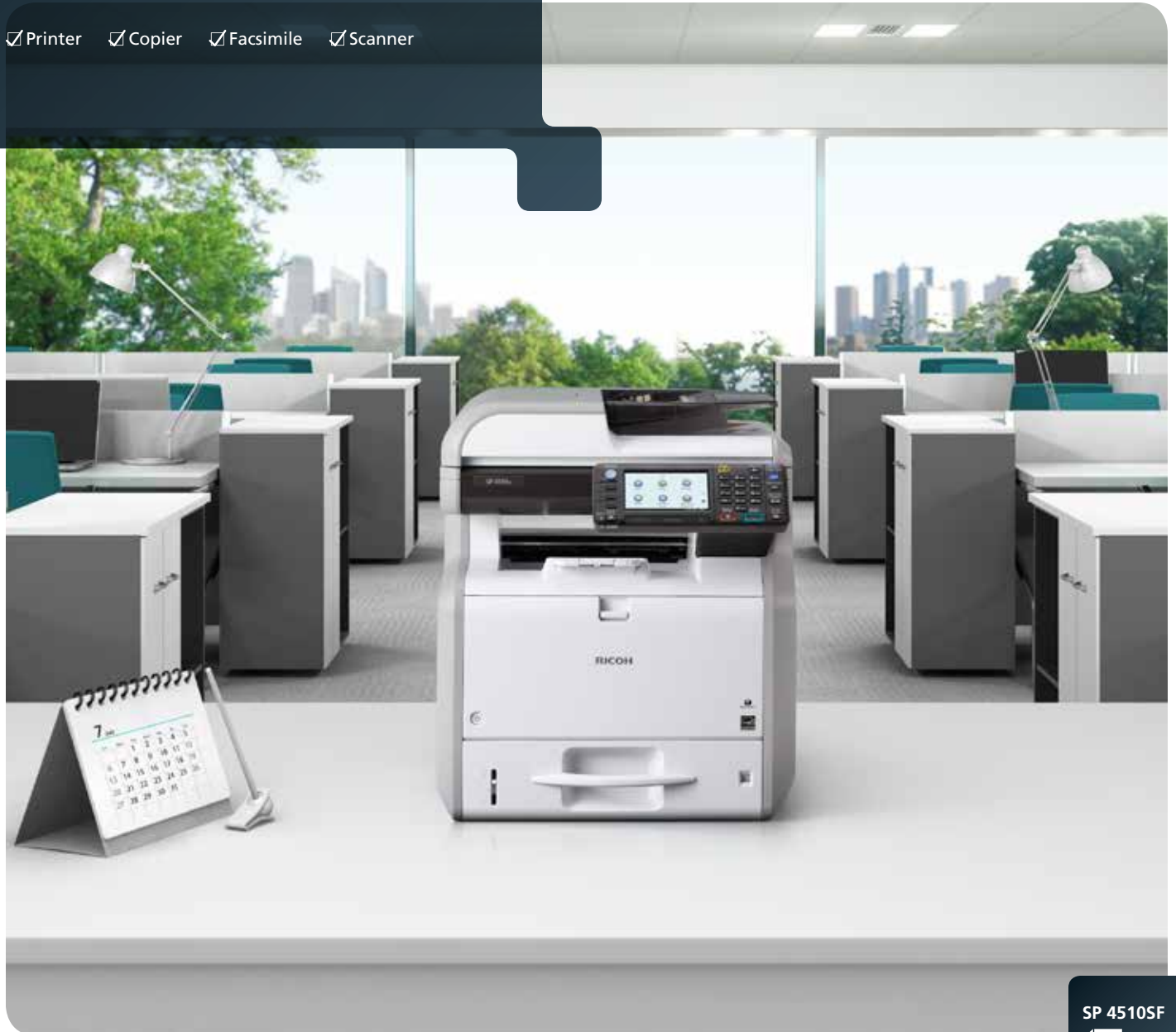


Multifunction B&W

RICOH SP 4510SF

✓ Printer ✓ Copier ✓ Facsimile ✓ Scanner



RICOH
imagine. change.

SP 4510SF

42 ppm monochrome

More control to perform more tasks

Just because your budget is tight or your office is limited on space, it shouldn't limit what you can do. Use the RICOH® SP 4510SF to perform a wider range of everyday document management tasks — including printing, scanning, faxing and copying quickly — so you can move from one project to the next without missing a beat. Place the compact MFP nearly anywhere, even on your desk, to save space while you save time. Customize the device to accommodate personal preferences. Take advantage of security controls to protect your information. Access administrative controls remotely to keep the SP 4510SF running efficiently — whether you add it to an integrated Ricoh Managed Document Services (MDS) portfolio or use it as your primary device.

Tackle big tasks in small spaces

You need a powerful multifunction printer to take on more challenges — not take up space. With the Ricoh SP 4510SF, you can perform a wider range of everyday information management tasks in any office, or from any desk. Need to print quickly? Use the device to print at 42 ppm and transition quickly to the next job. Need to impress a client? Print documents with crisp, clear text and graphics in high-quality 1200 dpi resolution without compromising speed.



Customize your commands

Nobody knows how to improve your productivity more than you do. That's why we designed the Ricoh SP 4510SF with customizable controls that complement your workflow demands. Set shortcuts for frequently used tasks right on the tilting 4.3" colour touch panel Home Screen. Need to work on the go? Bring your work with you on a USB memory card or SD card and print it when you need it. Or, simply use your smartphone or tablet for convenient mobile printing. The Ricoh Smart Device Print&Scan app gives you more functionality and control for programming jobs, it's the closest you can get to the PC experience on a tablet or smartphone.



Simplify complex tasks

Want to accomplish more by working less? With the Ricoh SP 4510SF, you can automate a wide range of processes to save time so you can move on to your next project. Remotely check supply levels, system settings, usage rates and more to ensure the device is ready to work when you are. The optional web browser lets you access and print web pages directly from the control panel. Add the optional Ricoh Integrated Cloud Environment (ICE) service and connect your MFP seamlessly to popular Cloud-based services. Print from or Scan directly to apps like DocumentMall™, Evernote™, Dropbox™ or Google Drive™ without expensive on-site servers, system integration or software updates.



Protect what's most important — your bottom line

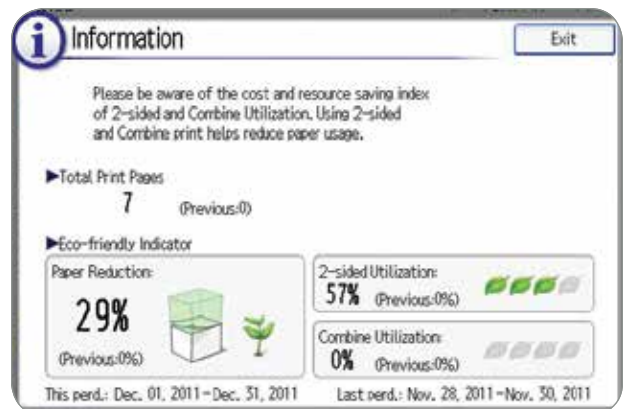
Share information quickly

You have important information. But can you get it to the right people at the right time, so they can make game-changing decisions for your organization? Send any document in colour within moments with Scan-to-Email/Folder/URL/USB/SD Card. Create searchable PDFs when scanning with Ricoh's OCR option. The SP 4510SF supports Distributed Scan Management (DSM) which allows administrators to create predefined recipient-specific, scanning workflows centrally to simplify scanning to different users. You can even scan two-sided documents, including IDs and patient insurance cards, onto a single sheet of paper to reduce paper costs. For those times when you need to fax legal or other professional documents, you can take advantage of advanced fax capabilities, including forwarding to Email and Folder, Internet Fax, support for LDAP and more.



Conserve energy, protect your budget

Use less energy to do more work. With recovery from sleep mode under 10 seconds, and first-copy times at 5.1 seconds, you won't have to spend a lot of your time waiting for the information you need. Program automatic startup or shutdown to conserve energy when you're out of the office. Reduce paper costs with default double-sided printing. You can even check to see if your efforts are worthwhile. The MFP includes an indicator that prominently displays paper-saving metrics to encourage more sustainable printing. Plus, the device meets EPEAT® Silver* criteria — a global environmental rating system for electronic products — and is certified with the latest ENERGY STAR™ specifications. In addition, with Ricoh's toner cartridge/container recycling program, you can return all empty Ricoh branded toner containers and cartridges to our recycling vendor.



Control critical information

Keep prying eyes off of your confidential information. When you deploy advanced user authentication controls, a proximity card swipe or login and password entry at the device is required to access critical functions, including the release of documents. You can also restrict access to specific functions for specific users to curb unnecessary printing. Other security features include DataOverwriteSecurity System (DOSS) and embedded encryption to help protect images and data on the Ricoh SP 4510SF hard drive.



*EPEAT Silver rating is applicable only in the USA.

Ricoh SP 4510SF

SYSTEM SPECIFICATIONS

Engine Specifications

SP 4510SF	Part # 407302
Configuration	Desktop
Technology	LED
Colour/B&W	Black & White
Printing Process	Electro-photographic printing
Scanning Element	CCD
Toner Type	Dry, single component
B&W Print Speed (Letter)	42 ppm
Maximum Monthly Volume	Up to 10,000 prints
Maximum Monthly Duty Cycle	150,000 prints
First Page Out Time	5.1 seconds
Warm-up Time	14 seconds
Standard Paper Capacity	1 x 500-Sheet Tray + 100-Sheet Bypass Tray
Maximum Paper Capacity	1,600 sheets
Standard Output Capacity	250 sheets
Supported Paper Sizes	Paper Tray: 3.94" x 5.82" – 8.5" x 14" (100 x 148 – 216 x 356 mm) Bypass Tray: 2.37" x 5.0" – 8.5" x 35.43" (60 x 127 – 216 x 900 mm)
Supported Paper Weights	All Trays: 14 – 43 lb. Bond/90 lb. Index (52 – 162 g/m ²) Duplex: 14 – 43 lb. Bond/90 lb. Index (52 – 162 g/m ²)
Supported Paper Types	Plain, Recycled, Thick, OHP (Transparency), Letterhead, Preprinted and Envelopes Automatic (standard)
Duplexing	Automatic (standard)
Power Consumption (Operating)	616 W
Power Consumption (Sleep Mode)	Less than 1 W
Typical Electricity Consumption (TEC)	1.756 kWh/week
Recovery from Sleep Mode	9.2 seconds
Power Requirements	120 V, 60Hz, 10A
Dimensions (WxDxH)	16.5" x 16.8" x 19" (419 x 427 x 484 mm)
Weight	50.6 lbs. (23 kg)
ENERGY STAR	Certified
EPEAT	Silver

Copy Specifications

Copy Resolution	Up to 600 x 600 dpi
Document Feeder Type	Automatic Reversing Document Feeder (ARDF)
Document Feeder Capacity	50 sheets
Document Feeder Original Size	8.5" x 14" – 5.5" x 8.5" (A4 – A6), Custom: up to 8.5" x 35.43"
Document Feeder Paper Weight	Simplex: 14 – 34 lb. Bond (52 – 128 g/m ²) Duplex: 16 – 28 lb. Bond (60 – 105 g/m ²)
Maximum Original Size	Exposure glass: 8.5" x 11.7" (216 x 297 mm) ADF: One-sided originals: 8.5" x 23.6" (216 x 600 mm), Two-sided originals: 8.5" x 14" (216 x 356 mm)
Maximum Copy Quantity	99 copies
Preset Reduction & Enlargement Ratios	65%, 78%, 93%, 129%, 155%
Zoom Range	25% to 400% in 1% increments

Copier Features

ID Card Copy; Auto/Manual Density Control; Auto Start; Batch Mode; Mixed Size Originals; Copy Mode – Text, Text/Photo and Photo, Generation Copy, Pale; Combine Pages; Margin Adjustment; Auto Tray Switching; Image Rotation; Electronic Sort; Job Program (25); User Codes (1,000)

Print Specifications

Processor Speed	533 MHz
Memory (Standard/Maximum)	1 GB/1.5 GB RAM
Hard Disk Drive	320 GB (optional)
Print Resolution	Up to 1200 x 1200 dpi

Printer Languages	Standard: PCL6/5e, Adobe® PostScript®3*, PDF Direct Optional: XPS
Connection Type	Standard: Gigabit Ethernet (1000/100/10BASE-T), USB 2.0, USB 2.0 Host, SD Card Slot Optional: IEEE1284, IEEE802.11a/b/g/n
Font Support	PCL6: 45 fonts, PCL5: 45 fonts + International fonts 13 fonts, PostScript3: 136 fonts
Network Protocols Supported Operating Systems	TCP/IP (IPv4, IPv6) Windows XP/Vista/7/8/8.1/Server2003/2008/2008R2/2012/2012R2, MacOS (X10.5 or later) PS only, UNIX filters for Sun Solaris, HP-UX, Red Hat Linux, SCO OpenServer, IBM AIX; SAP R/3; Citrix Presentation Server 4.5/Citrix XenApp 5.0, 6.0, 6.5 @Remote, SmartDeviceMonitor, Device Manager NX, Web SmartDeviceMonitor, Web Image Monitor
Device Management Utilities	Smart Device Print & Scan App

Other Print Features

Scheduled Print*, Auto Continue, Store and Skip Errored Job, Classification Code, PDF Direct Print, Sample/Hold/Store and Locked Print*, WSD Printer, Unauthorized Copy Prevention, Poster Print, Collate, Toner Saving Mode
*Hard disk drive required.

Controller Options

Hard Disk Drive Option Type M6	Part # MX407222RA
Memory Unit Type M 1.5 GB	Part # 007167MIU
OCR Unit Type M2	Part # 416605
Browser Unit Type M6	Part # 407225
File Format Converter Type E	Part # 414007
XPS Direct Print Option Type M6	Part # 407343
VM Card Type W IEEE802.11a/b/g/n	Part # 407218
Interface Unit Type O IEEE 1284 Interface Board Type A	Part # 411699
Copy Data Security Unit Type G	Part # 416391
Optional Counter Interface Unit Type A	Part # 413012

Scan Specifications

Scanner Resolution	Colour and B&W: up to 600 dpi TWIN: up to 1200 dpi
Scanning Speed (Letter)	B&W: up to 32 ipm, Colour: up to 31 ipm
Platen Size	Up to 8.5" x 11" (216 x 297 mm)
Maximum Scanning Size	Up to 8.5" x 23.6" (216 x 600 mm)
Scan Modes	Text, Text/Line Art, Text/Photo, Photo, Glossy Photo Colour (26 bit), Gray Scale (8 bit)
File Formats	JPEG, Single/Multi Page TIFF, PDF, High Compression PDF, PDF/A; OCR*
Scan-To Modes	Scan-to-Email (with LDAP support); Scan-to-Folder (SMB/FTP); Scan-to-URL; Network TWIN, Scan-to-Media (USB/SD); WSD Scanner
Scan Protocols	Network: TCP/IP, Email: SMTP, POP3, IMAP4; Scan-to-Folder: SMB, FTP, WSD Scanner

*OCR option required.

Document Server Specifications*

Capacity	38 GB (shared with other functions)
Maximum Stored Documents	3,000 documents
Maximum Pages (per document)	1,000 pages
Maximum Pages (all stored documents)	9,000 pages

*Hard disk drive required.

Facsimile Specifications

Fax Resolution	Up to 200 dpi
Fax Scanning Speed w/ARDF	22-spm (Letter)
Modem Speed	33.6 kbps with auto fallback
Fax Compression Method	MH, MR, MMR, JBIG
SAF Memory Size	4 MB (approximately 320 sheets)
Transmission Speed	G3: 2 seconds per page (JBIG Compression)
Quick Dials	1,000 standard, 2,000 with HDD
Group Dials	100 groups
Standard Fax Features	Dual Access, Duplex Reception, 12-Hour Backup, LAN-Fax, Internet Fax (T.37), IP Fax (T.38), Fax Forwarding to E-Mail/HDD/Folder, PSTN, PBX

Security Features

Administrator and User Authentication*, User Lockout, Auto Logout, Menu Protect, Data Encryption (Address Book/User Authentication Information/Job Logs/Temporary Stored Document/Network Interface Settings/System Settings), Network Security via TCP/IP Access Control, Encrypted communications using SSL/TLS, IPsec, or IEEE 802.1X; SMNPv3, IPP Authentication, Kerberos Authentication Encryption, Wireless LAN Security (WEP, WPA2/WPA2-PSK), Protect document data with Locked* and Stored Print*, Unauthorized Copy Prevention, Compulsory Security Stamp, HDD Data Overwrite* and Encryption*
*Hard disk drive required.

Hardware Options

Paper Feed Unit PB1060	Part # 407230
Paper Capacity	250 sheets
Supported Paper Sizes	3.94" x 5.82" – 8.5" x 14" (100 x 148 – 216 x 356 mm)
Supported Paper Weight Dimensions (WxDxH)	14 – 43 lb. Bond/90 lb. Index (52 – 162 g/m ²) 14.6" x 15.4" x 3.7" (370 x 392 x 95 mm)
Weight	9.04 lbs. (4.1 kg)
Paper Feed Unit PB1070	Part # 407229
Paper Capacity	500 sheets
Supported Paper Sizes	3.94" x 5.82" – 8.5" x 14" (100 x 148 – 216 x 356 mm)
Supported Paper Weight Dimensions (WxDxH)	14 – 43 lb. Bond/90 lb. Index (52 – 162 g/m ²) 14.6" x 15.4" x 4.9" (370 x 392 x 125 mm)
Weight	9.92 lbs. (4.5 kg)
Tall Cabinet Dimensions (WxDxH)	14.6" x 15.4" x 20.5"
Medium Cabinet Dimensions (WxDxH)	14.6" x 15.4" x 14.6"

Consumables & Yields

	Yield	Part #
Print Cartridge SP 4500HA	12,000 pages*	407316
Print Cartridge SP 4500A	6,000 pages*	407319
Print Cartridge SP 4500LA	3,000 pages*	407321
Photo Conductor Unit SP 4500	20,000 pages	407324
Maintenance Kit SP 4500	120,000 pages	407329

*Declared yield values in accordance with ISO/IEC 19752. Actual yields may vary based on images printed and other factors.

The Ricoh SP 4510SF ships with starter toner that yields 6,000 pages (ISO/IEC 19752).

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

Specifications subject to change without notice.

Warranty

The Ricoh SP 4510SF 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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