Desktop B&W Printer

RICOH
SP 4510DN

☑ Printer ☐ Copier ☐ Facsimile ☐ Scanner
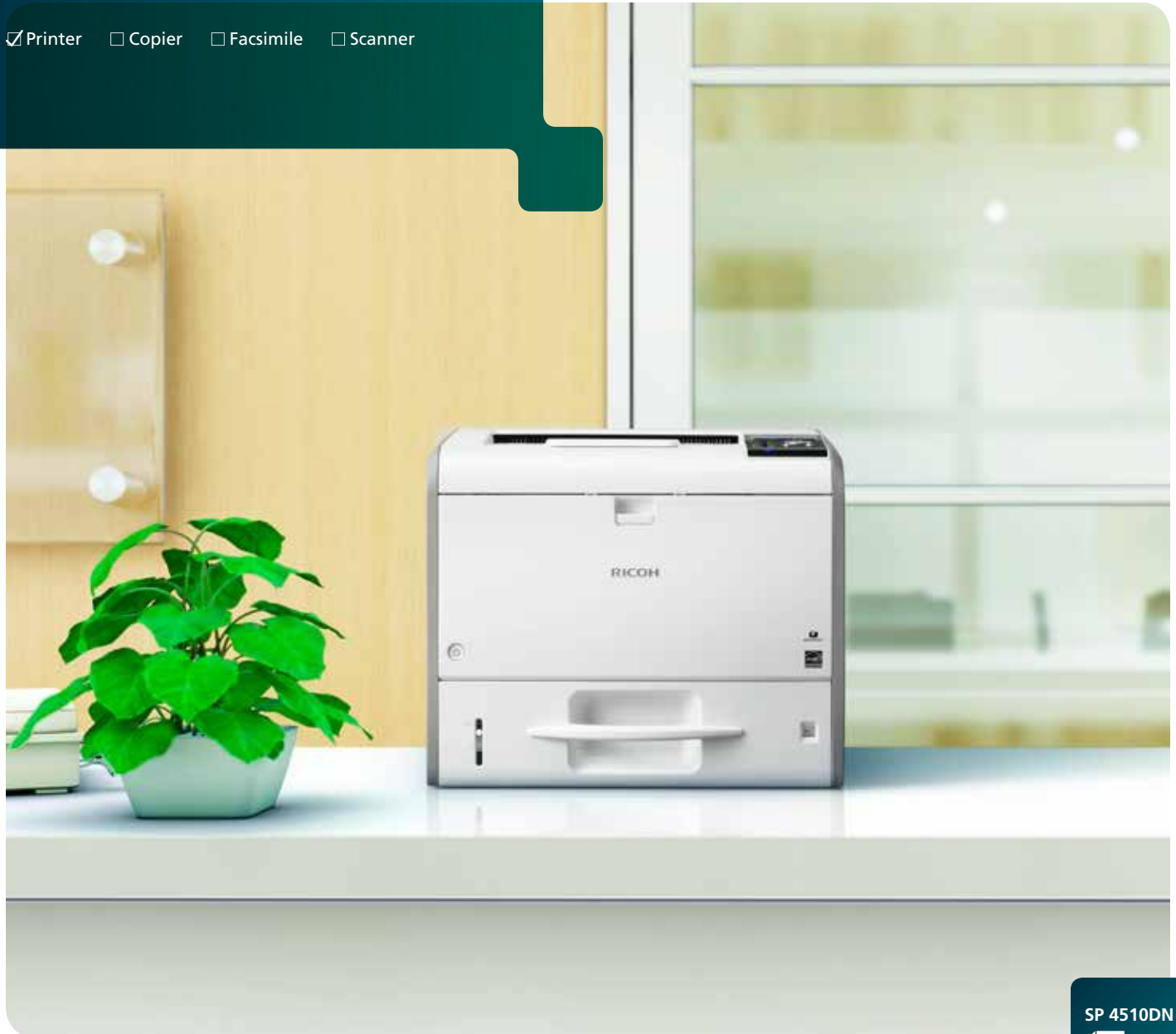
RICOH
imagine. change.

RICOH

SP 4510DN
42 ppm monochrome

Fast, affordable printing that's as smart as you are

As new projects and challenges emerge, you differentiate yourself by stepping up, staying on task and meeting the tightest deadlines. But sometimes, even the hardest-working employee needs a little help. RICOH® understands. After all, we've built a legacy of helping hard-working people move information and ideas effortlessly — with innovations like the Ricoh SP 4510DN. Print a wide range of high-quality black-and-white documents at high speeds and move on to the next project quickly. You'll be saving more than time. You can fit the compact, feature-rich printer into virtually any workflow, workgroup — and budget.

Meet challenging print demands

Ready to get started? Recovery from sleep mode is only 10 seconds, so you can print up to 42 pages per minute at 1,200 dpi resolution and complete large jobs quickly. The SP 4510DN is equipped with a powerful 533 MHz Controller and 512MB RAM standard to support busy offices. Add more RAM as your workgroup grows, so your team can handle multiple jobs and process large files without costly delays. Want to print specialized jobs on a more affordable device? Add genuine IPDS for host-print support in mission-critical applications.

Manage more print jobs with ease

Spend more time on your next big idea, and less time figuring out how to print it. Navigate key functions and check system status at a glance using the four-line LCD panel on the Ricoh SP 4510DN. Add up to two 500-sheet paper feed units to increase paper capacity to a maximum of 1,600 sheets and print continuously for extended runs without reloading. Print on media up to 8.5" x 14" and 43 lb. Bond/90 lb. Index from all paper trays and produce a wider range of jobs economically in-house.

Print conveniently in more places

Smartphones and tablets continue to expand their presence in the workplace. Why? Because they help you perform more tasks while on the move. Now you can print from them, too. Print images, documents, photographs and more directly from your Apple® iPhone®, iPad or Android mobile device using the Ricoh Smart Device Print&Scan app when connected to an office network — without installing print drivers. It's similar to printing from your desktop computer, with the added convenience of mobility to share information in more ways.

# Produce more work, protect what's most important

Secure documents and people

The Ricoh SP 4510DN helps protect critical information with advanced controller capabilities. Add the optional 320 GB Hard Disk Drive to simplify the way you secure, store and archive documents. With Locked Print, documents stored at the printer are released when you enter the correct PIN at the control panel or swipe an ID card on the optional ID card reader. DataOverwriteSecurity System (DOSS) overwrites information on the hard drive for even more protection. Plus, you'll have built-in controller features including 128-bit data encryption, IP Address Filtering and more to help prevent information theft, interception and falsification.

Be responsible inside and outside the office

You take pride in your work. Take pride in how you do it, too. The Ricoh SP 4510DN comes standard with automatic double-sided printing so you can reduce paper usage and costs. Worried about the printer being left on overnight? Set it to power on/off at designated times and save energy. Or, rely on the ECO-Night Sensor to shut the printer down automatically when the lights are turned off. 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.
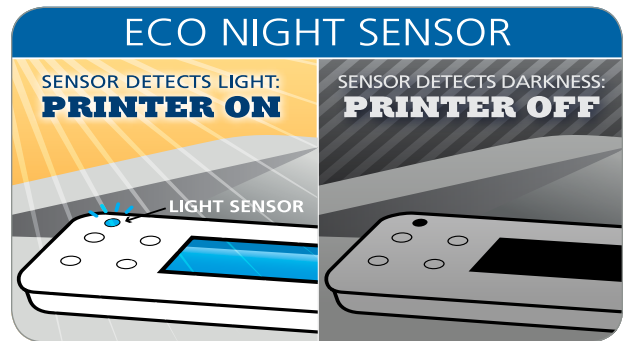
Monitor your performance

It's easy to say you're saving money and increasing efficiency. It's another thing to prove it. Use Ricoh's Web Image Monitor to check system status, change settings, manage job queues and expedite maintenance right from the desktop. You can even assign up to 1,000 user codes to track volumes and trends by individual users, and leverage the information to improve print behavior. Need to manage multiple devices? Then install Ricoh's free management utility Device Manager NX Lite to manage up to 250 devices. Simplify installation, configuration and monitoring of multiple networked devices.

Reduce maintenance costs

As with many tasks, sometimes it's easier to do it yourself. With high-yield consumables, you won't have to perform maintenance on the Ricoh SP 4510DN very often. But when the LCD panel indicates it's time to replace the toner cartridge or photoconductor unit, you'll be able to change it in moments without training or mess to reduce costly delays.

*EPEAT Silver rating is applicable only in the USA.

Engine Specifications

SP 4510DN	Part # 407311
Configuration	Desktop
Technology	LED
Color/B&W	Black & White
Printing Process	Electro-photographic printing
Toner Type	Dry, single component
B&W Print Speed (Letter)	42 ppm
Maximum Monthly Volume	10,000 prints
Maximum Monthly Duty Cycle	150,000 prints
First Page Out Time	5 seconds
Warm-Up Time	17 seconds
Print Resolution	Up to 1200 x 1200 dpi
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/m²) Duplex: 14 – 43 lb. Bond/90 lb. Index (52 – 162 g/m²)
Supported Paper Types	Plain, Recycled, Thick, OHP (Transparency), Letterhead, Preprinted and Envelopes
Duplexing	Automatic (standard)
Power Consumption (Operating)	561.7 W
Power Consumption (Sleep Mode)	Less than 1 W
Typical Electricity Consumption (TEC)	1.752 kWh/week
Recovery from Sleep Mode	9.9 seconds
Power Requirements	120 V, 60Hz, 10A
Dimensions (WxDxH)	14.6" x 15.4" x 12.0" (370 x 392 x 306 mm)
Weight	34.2 lbs. (15.5 kg)
ENERGY STAR	Certified
EPEAT	Silver

Controller Specifications

Processor Speed	533 MHz
Memory (Standard/Maximum)	512 MB/1 GB RAM
Hard Disk Drive	320 GB (optional)
Maximum Stored Documents	950 files (HDD required)
Maximum Stored Pages	9,000 pages (HDD required)
Connection Type	Standard: Gigabit Ethernet (1000/100/10BASE-T), USB 2.0, USB 2.0 Host Optional: IEEE1284, IEEE802.11a/b/g/n

Printer Languages	Standard: PCL6/5e, Adobe® PostScript®3™, PDF Direct Optional: IPDS*, XPS
Font Support	PCL6: 45 fonts, PCL5: 45 fonts + International fonts 13 fonts, PostScript3: 136 fonts, IPDS: 108 fonts (optional)
Network Protocols	TCP/IP (IPv4, IPv6)
Supported Operating Systems	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; IBM iSeries/AS/400***
Device Management Utilities	@Remote, SmartDeviceMonitor, Device Manager NX, Web SmartDeviceMonitor, Web Image Monitor

*Hard disk drive and optional memory required.
**IPDS option required.

Print Features

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

Controller Options

Hard Disk Drive Option Type P1	Part # MX407348RA
Memory Unit Type N 1.0 GB	Part # 007150MIU
IEEE 802.11 Interface Unit Type O	Part # 407113
IEEE 1284 Interface Board Type A	Part # 411699
IPDS Unit Type P1	Part # 407349
VM Card Type W	Part # 407218
XPS Direct Print Option Type P1	Part # 407351

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 Weights	14 – 43 lb. Bond/90 lb. Index (52 – 162 g/m²)
Dimensions (WxDxH)	14.6" x 15.4" x 3.7" (370 x 392 x 95 mm)
Weight	9.04 lb. (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 Weights	14 – 43 lb. Bond/90 lb. Index (52 – 162 g/m²)
Dimensions (WxDxH)	14.6" x 15.4" x 4.9" (370 x 392 x 125 mm)
Weight	9.92 lb. (4.5 kg)
Adjustable Height Cabinet Type G	Part # 161200

Supports all SP 4510DN configurations

Dimensions (WxDxH)	17.8" x 19.4" x 21.7" (453 x 491.5 x 552 mm)
Weight	42 lbs.

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 4510DN 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 4510DN 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.