

**Ricoh Aficio SP 4100N-KP**  
B/W HotSpot Printer  
Convenient Printing From  
Anywhere, Anytime.

**RICOH**

easy

secure

mobile



# Ricoh Aficio SP 4100N-KP B/W HotSpot Printer

## Empower Every User With Secure Mobile Printing

Give every mobile professional the freedom to easily print documents, e-mails, and Web content from Internet-enabled laptops, cell phones, and handheld devices without downloading drivers or installing additional software. Ricoh HotSpot technology ensures reliable access to driverless laser printing in a totally embedded, secure mobile printing system. The RICOH® Aficio® SP 4100N-KP B/W HotSpot Printer provides reliable 31-ppm monochrome laser printing in a compact design. Ricoh HotSpot printing technology makes it easy to print anywhere.



# SuperiorRobustConnectedProductive

## A Totally Integrated Solution

**Ricoh has partnered with PrinterOn® Corporation, a leading provider of mobile printing technology, to deliver the industry's first and only fully integrated mobile printing solution.**

- Simple installation — This turn-key system is self-configuring and ready to Print Simply Anywhere® in minutes. Access to the Internet is all that's needed. Plus, every Ricoh Aficio SP 4100N-KP includes a one-year subscription to PrinterOn's mobile printing service.
- Totally embedded — All printer hardware enhancements are preconfigured; all software is pre-loaded, no additional support is required. That means no external appliances and no way for users to accidentally change system settings or access other jobs.
- A true All-in-One/One-for-All solution — This award-winning printer offers All-In-One print cartridge technology for simplified maintenance and low total cost of ownership.

## Easy Ways to Access Secure Mobile Printing

**Every environment with existing high-speed Internet access — wired or wireless — can reduce their support burden with Ricoh's versatile HotSpot Printer technology.**

- Mobile handheld device printing — Simply forward any e-mail from PDAs or Internet-enabled cell phones — with or without attachments — to the HotSpot Printer's e-mail address. No drivers required!
- Driverless Web-based printing — Surf to the HotSpot Printer Web address using any browser, and upload a file or enter the Web page URL to be printed. After submitting each print request, the service automatically replies to the sender's e-mail address with a secure release code. At the keypad attached to the printer, the user then enters the code to release their print job.
- Ironclad data encryption — All print jobs are encrypted and transferred using 128-bit secure SSL communications.
- Security and peace of mind — After printing, every job is automatically and permanently erased from printer memory. No worries about unauthorized reprinting or data remaining on the hard drive.

## Customizable to Build Your Brand

**Ricoh HotSpot Printer technology adds value by enabling organizations to take greater ownership of this solution as an exclusive, branded interface to build customer loyalty or as a revenue generating service for cost recovery.**

- Flexibility — Set up the Ricoh Aficio SP 4100N-KP mobile printing solution as a free convenience to attract new customers, or as a chargeable printing service to increase revenues.
- Customizable interface — Incorporate company logos and colors on the PrintSpots™ Web page to reflect your business identity and present HotSpot printing as a value-added service exclusive to your establishment.
- Add links and custom messages — Customize the main user interface to add links to other websites, add new printers, or insert new screens for additional services, print job options, and job confirmation/approval steps.
- Support for third party billing systems — Ricoh is partnering with PrinterOn and PCounter Web Services Aps (PWS) to enable hosted billing solutions so that the system can count the number of pages, calculate the job cost, and initiate a credit card billing sequence. When sending a job from a PC the service is called WebPay. When sending from a handheld device it is called MobilePay.



Driverless printing to any Ricoh HotSpot Printer makes mobile professionals and field-based service and sales agents more productive.



15,000-page All-In-One print cartridge technology makes maintenance a snap.

## 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, including:**

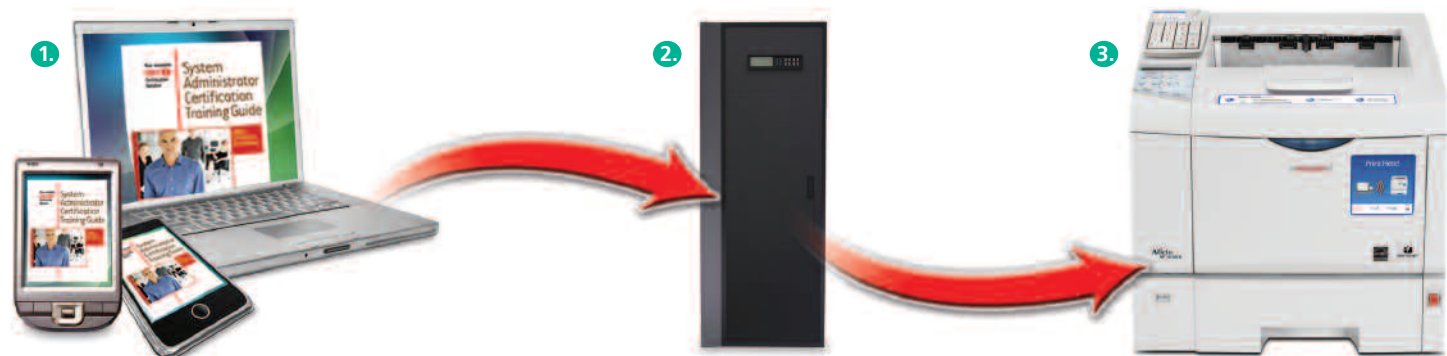
- Power-Saving Sleep Mode
- Duplex Mode
- Low Noise Levels
- Minimal Ozone Emissions
- Restriction of Hazardous Substances (RoHS) Compliant

# Ricoh Aficio SP 4100N-KP

## Specifications

Aficio®

### The HotSpot Workflow: Printing from your PDA, Laptop, or Phone is as easy as 1, 2, 3.



1. Documents and Web pages to be printed are sent from a wired or wireless laptop, cell phone, or handheld device to the PrintSpots™ server using 128-bit SSL encryption.

The printer's unique Web page or E-mail address is noted on a label affixed to the printer.

Each job is assigned a private release code automatically.

2. The receiving server generates a compressed printable data file and transmits it securely to the destination printer, once again using 128-bit SSL encryption for complete file integrity and protection.

3. The job resides safely in the printer's hard disk drive until the user arrives at the printer and enters a confidential 4 – 10 digit release code using the attached keypad. The file is decompressed, printed, and is then automatically erased from memory for total security. It's that easy!

#### System Specifications

SP 4100N-KP	Part #403080
Configuration	Desktop Monochrome Laser Printer
Imaging Process	Laser beam scanning and electro-photographic printing using dry dual component toner development
Print Speed	31-ppm (Letter)
First Print Speed	< 6.9 seconds
Warm-up Time	< 19 seconds
Print Resolutions	300 x 300 dpi, 600 x 600 dpi, 1200 x 600 dpi
CPU	400MHz
Memory	256MB RAM (Standard/Maximum) 40GB Hard Disk Drive Type 2650 (Standard)
Printer Languages*	PCL5e, PCL6, Adobe® PostScript®3™ + PDF Direct, Ricoh Refined Print Command Stream (RPCS)
Fonts	136 PostScript 3 fonts, 10 True Type fonts, 35 Intellifonts, 13 International fonts, 1 Bitmap font
Standard Interfaces	10Base-T/100Base-TX Ethernet, USB 2.0, IEEE 1284 Parallel, USB Host Interface for Keypad, VM Card for JAVA-based device SDK option
Network Protocols	Simultaneous auto-sensing/auto-switching TCP/IP, IPX/SPX, AppleTalk, SMB
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 or later UNIX (using Ricoh UNIX filter)

\*Page Description Languages are accessible for standard network printing only.

Maximum Paper Capacity	1,600 sheets
Standard Tray	500 sheets
Bypass Tray	100 sheets
Optional Paper Tray	500 sheets (1 or 2 may be added)
Acceptable Paper Sizes*	Std. & Opt. Trays: 3.9" x 5.6" to 8.5" x 14" Bypass Tray: Width: 2.6" - 5.6"; Length: 8.5" - 14"
Acceptable Paper Weights	Std. & Opt. Trays: 16 lb. - 34 lb. Bond Bypass Tray: 16 lb. - 43 lb. Bond/90 lb. Index
Duplex	Optional Automatic Duplexing (Approx. 100% of simplex speed)
Output Capacity	250 sheets, face down
Keypad	Ricoh USB Keypad
Dimensions (WxDxH)	15.3" x 17.8" x 13.6" (Add 1" height when keypad is installed)
Weight	38.6 lb.
Power Source	120V, 60Hz
Maximum Power Consumption	575W or less
Energy Saver Mode	10W or less

#### Options & Supplies

Paper Feed Unit	Part #402807
Type TK 1030*	
Envelope Feeder	Part #400939 (requires #402087)
Type 400*	

\*Optional Paper Feed Units and Envelope Printing can only be accessed when the printer is used as a standard network printer.

Duplex Unit AD 1000	Part #402808
Ricoh BB-HPL10A-R Ethernet Adaptor	Part #100123FNG
All-in-One Print Cartridge	Part #402809 (15,000-page yield*)
Maintenance Kit	Part #402815 (Recommended @ 90,000-page intervals)
PrinterOn Two-year Service Extension	Part #003357MIU

\*Declared yield value in accordance with ISO/IEC 19752; actual yields vary based on images printed and other factors.

The Ricoh SP 4100N-KP ships with a one-year subscription to the PrinterOn Service which must be registered in order to be active.

The Ricoh SP 4100N-KP ships with a starter All-In-One print cartridge with a 6,000-page yield. All other consumables ship at full yield.

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

#### Bundled Solution

The Ricoh Aficio SP 4100N-KP HotSpot Printer arrives with these components already installed for true plug-and-play mobile printing:  
Aficio SP 4100N-KP with 500-sheet Paper Tray & 100-sheet Bypass Tray  
256MB RAM  
40GB Hard Disk Drive  
USB Host Interface  
Ricoh USB Keypad  
JAVA VM Card  
PrinterOn's JAVA-based mobile printing software  
One-year PrinterOn™ Subscription included

**RICOH**  
www.ricoh-usa.com

Bringing Ricoh Value to Your Organization  
Rico technology offers a diverse portfolio of solutions to help your organization stay competitive and move ahead. Let Ricoh show you how to empower your business to improve critical processes, keep information secure, ensure compliance and promote environmental sustainability while reducing the total cost of ownership.

Printed in U.S.A. on recycled paper because Ricoh cares.

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