

Savin®

SP 4310N

B/W Laser Printer

VERSATILE > SCALABLE > RELIABLE > SECURE > PRINT >



Superior performance
in a compact design.

A Scalable Business Solution

At 37-ppm, the versatile and eco-friendly SAVIN® SP 4310N black & white laser printer delivers superior performance that grows along with your business. Increase paper capacity without occupying more space to handle rising volumes. Install automatic duplexing when your needs call for efficient two-sided printing. Equip this solution-ready printer with optional interfaces and workflow tools to meet your unique connectivity and application requirements—the Savin SP 4310N easily fits into any environment whether front office or host print, wired or wireless networks. Add a Hard Disk Drive to enable robust local document storage and print-on-demand capabilities, plus built-in data and device security. Best of all, the compact SP 4310N employs Savin's proven All-In-One (AIO) print cartridge technology and innovative energy saving features for maximum uptime and ease of use with a low total cost of ownership.

Expandable In So Many Ways

The Savin SP 4310N provides the speed and image quality every business demands, plus the versatility to address your specific needs.

- Meet every deadline. The powerful 466 MHz controller efficiently processes every job. Print with 37-ppm productivity at resolutions up to 1200 x 600 dpi. Standard Ethernet plus optional wireless or Gigabit connectivity share the printing power.
- Increase memory in step with expanding work-groups. Add more RAM to handle larger files and multiple print jobs with maximum efficiency. Install the optional 80 GB Hard Disk Drive to enable secure local document storage and print-on-demand capabilities for up to 9,000 pages.
- Maximize your investment through environmental versatility. In addition to support for Adobe® PostScript®3™ and PCL Windows and Mac printing, the Savin SP 4310N provides specialized tools such as Savin's genuine IPDS and barcode printing solution to optimize performance in host print workflows.

- Start small and boost paper capacity to meet growing volumes. Install one or two 500-sheet Paper Feed Units to minimize reloading. Add Automatic Duplexing for productive two-sided printing and a 60-piece Envelope Feeder to speed mailing applications. Every tray is user-adjustable and supports media up to 8.5" x 14"; the Bypass accepts sheets up to 17" long.

Efficient and Ecological

An All-In-One printer for everyone, the Savin SP 4310N combines simplicity in design and operability with affordable, energy-efficient laser printing.

- Maximize user friendliness with the informative 4-line LCD panel. View printer status at a glance, get simple maintenance guidance, and easily select stored documents for reprinting.
- Achieve affordable laser quality output with proven All-In-One print cartridge technology that delivers high yields and low cost-per-page factors. The user-serviceable design saves even more by minimizing service tasks. Replace the AIO cartridge in seconds for maximum uptime and do-it-yourself convenience.

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4-Line LCD Control Panel with
12-key alphanumeric keypad

250-Sheet Top Exit Tray

Standard 10/100Base-TX Ethernet,
USB 2.0 Hi Speed, & USB Host Interfaces

15,000-Page All-In-One Print Cartridge

Standard 100-Sheet Bypass Tray

Standard 500-Sheet Paper Tray

Optional 500-Sheet Paper Feed Units



The printer incorporates a redesigned 4-line LCD panel with an integrated 12-key alphanumeric keypad. The larger LCD allows for at-a-glance supply monitoring and more informative system status messages; the keypad makes it easier to enter network settings and PINs for convenient secure printing.

- Reduce your total cost of ownership further with an energy efficient design. Save supplies with Toner Saving Mode and optional Automatic Duplexing.
- Manage job queues and network settings, view supply status, and initiate proactive maintenance right from your desktop using the Web Image Monitor utility. Network administrators can use Savin's @Remote fleet management tool for enterprise-wide printer monitoring and optimization across multiple units and locations.

Control Data and Device Access

The Savin SP 4310N supports the security tools you need to manage device access and safeguard confidential data sent to the printer.

- Protect print jobs and passwords with standard 256-bit SSL data encryption to prevent information theft, interception, or falsification.

- Activate the User Code feature to restrict device access, set volume limits, and track printer usage for up to 200 individual users.
- Help ensure compliance with client/patient privacy regulations. The 80 GB Hard Disk Drive option provides a confidential Locked Print feature plus secure local document storage with advanced data encryption and overwrite protection.
- Enjoy the confidence that comes from knowing your decision to invest in the SP 4310N is backed by your local authorized Savin dealership committed to meeting your business objectives for performance, cost control, and security.

The Total Green Office Solution

Savin continues its long-standing commitment to developing office solutions with environmentally friendly and superior energy- and supply-saving features, without compromising productivity.



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MAIN UNIT SPECIFICATIONS

Configuration Technology	Desktop Monochrome Laser Printer Laser beam scanning & electrophotographic printing
Control Panel	Dual-component toner development 4-line LCD + Integrated 12-key alphanumeric keypad
Print Resolution	300 x 300 dpi 600 x 600 dpi 1200 x 600 dpi
Output Speed	37 pages per minute (Letter)
First Print Speed	6.9 seconds or less
Warm-up Time	19 seconds or less 12 seconds or less (from Energy Saver mode)
Non-printable Area	Approx. 1/6" (4.2 mm) around all four sides
Standard Paper Supply	500-sheet Tray + 100-sheet Bypass Tray = 600 sheets
Optional Paper Supply	500-sheet Paper Feed Unit (1 or 2 may be installed)
Maximum Paper Capacity	1,600 sheets
Automatic Duplexing	Optional (approx. 90% productivity)
Output Capacity	250 sheets, face down
Acceptable Paper Sizes	Standard Tray: 5.5" x 5.5" – 8.5" x 14" (139.7 mm x 139.7 mm – 216 mm x 356 mm) Bypass Tray: 2.52" x 5.5" – 8.5" x 17" (64 mm x 139.7 mm – 216 mm x 432 mm) Optional PFUs: 5.5" x 6.3" – 8.5" x 14" (139.7 mm x 160 mm – 216 mm x 356 mm) When Duplexing: 5.5" x 8.5" – 8.5" x 14" (139.7 mm x 216 mm – 216 mm x 356 mm)
Acceptable Paper Weights	Standard Tray: 16 – 34 lb. Bond (60 – 130 g/m ²) Bypass Tray: 16 – 43 lb. Bond/90 lb. Index (60 – 162 g/m ²) Optional PFUs: 16 – 34 lb. Bond (60 – 130 g/m ²) When Duplexing: 16 – 28 lb. Bond (60 – 105 g/m ²)
Acceptable Paper Types	Standard Tray: Plain Paper, Thick Paper, Preprinted Paper, Letterhead, Labels Bypass Tray: Plain Paper, Thick Paper, Preprinted Paper, Letterhead, Labels, Transparency, Envelopes Optional PFUs: Plain Paper, Thick Paper, Preprinted Paper, Letterhead, Labels Envelope Feeder: Envelopes (Installs inside optional PFU)
Dimensions (WxDxH)	15.28" x 17.72" x 13.58" Main Unit only (388 mm x 450 mm x 345 mm) 15.28" x 21.37" x 13.58" w/Duplex Unit (388 mm x 543 mm x 345 mm)
Weight	34.1 lb. (15.5 kg) Main Unit only 47.3 lb. (21.4 kg) w/Duplex Unit
Power Requirements	120V, 60Hz
Power Consumption	Maximum: 960W or less Energy Saver: 3.9W or less
Safety Regulations	UL60950-1, CAN/CSA C22.2 No.60950-1 (c-UL)
EMI	FCC Part15 Subpart B <Class B>, IC ES-003
Environmental Standard	Energy Star, BAM

HARDWARE ACCESSORIES

Paper Feed Unit TK 1030	
Capacity	500 sheets, 1 or 2 units may be installed
Paper Size	5.5" x 6.3" – 8.5" x 14" (139.7 mm x 160 mm – 216 mm x 356 mm)
Paper Weights	16 – 34 lb. Bond (60 – 130 g/m ²)
Dimensions (WxDxH)	15.3" x 19.1" x 5.3" (388 mm x 486 mm x 135 mm)
Weight	Less than 13.2 lb (Less than 6 kg)
Duplex Unit AD 1000	
Paper Size	5.5" x 8.5" to 8.5" x 14"
Paper Weights	16 – 28 lb. Bond (60 – 105 g/m ²)
Dimensions (WxDxH)	12.0" x 13.3" x 8.5" (306 mm x 337 mm x 216 mm)
Weight	Less than 13.2 lb (Less than 6 kg)
Envelope Feeder Type 400*	
Capacity	Up to 60 envelopes
Paper Size	Crane Crest Com #10, Strathmore Writing Com #10, Neenah Classic Crest Com #10, C5, C6, DL
Dimensions (WxDxH)	14.1" x 16.8" x 3.9" (359.4 mm x 427 mm x 101 mm)
Weight	Less than 4.4 lb (Less than 2 kg)
*Required to stack envelopes inside an optional Paper Feed Unit TK 1030.	
PRINT CONTROLLER SPECIFICATIONS	
CPU	466 MHz
Memory	256 MB RAM standard 512 MB RAM maximum
Standard Interfaces	80 GB Hard Disk Drive (Optional) 10/100Base-TX Ethernet USB 2.0 Host (Type A) USB 2.0 Hi Speed (Type B) Dual SD/VM Card slots for expanded functionality
Optional Interfaces	IEEE 802.11a/g Wireless LAN Gigabit Ethernet (1000Base-T) IEEE 1284/ECP Parallel
Printer Languages/ Drivers	PCL 5e PCL 6 XPS Adobe PostScript 3 + PDF Direct Print Optional genuine IPDS
Fonts	PCL: 45 fonts + 13 International fonts PostScript 3: 136 fonts IPDS: 108 fonts (optional)
Network Protocols	TCP/IP AppleTalk IPX/SPX (optional)
Supported Environments	Windows XP, Vista, 7, Server 2003, Server 2003/R2, Server 2008, Server 2008/R2 Mac OS 8.6 – 9.2x, OS X v.10.2+ Novell NetWare v 6.5 SAP R/3 Citrix Presentation Server Various UNIX/Linux OS
Software Utilities	Bundled Utilities: Web Image Monitor Printer Utility for Mac Font Manager 2000 @Remote Embedded Software Architecture (ESA™) ready
Optional Utilities	Web SmartDeviceMonitor SmartDeviceMonitor for Admin DeskTopBinder Lite

Standard Security Features	802.1X 200 User Codes 256-bit SSL Print Job Data Encryption Address Book & Password Encryption IP Address Filtering IPsec Communications Network Protocol Management SNMP v3 Authentication User Lockout/Auto Logout
Optional Security Features	Administrator Authentication (5 levels) (with 80 GB HDD option) User Authentication (3 types) Locked Print HDD Data Encryption Unit + DataOverwrite Security System (DOSS) (bundled with HDD option) WPA (Wi-Fi Protect Access) (w/IEEE 802.11a/g option)

CONTROLLER & MEMORY OPTIONS

128 MB RAM Memory Unit Type G
256 MB RAM Memory Unit Type G
80 GB Hard Disk Drive Type 4310
Includes HDD Encryption Unit & Data Overwrite (DOSS)
Gigabit Ethernet (Type C)
IEEE 802.11a/g Wireless LAN (Type L)
IEEE 1284/ECP Parallel (Type A)
IPDS Unit Type 4310
SD Card for Netware Printing (Type G)
Data Storage Card Type A
VM Card Type O
Savin BB-HPL10A-R High Definition Power Line Communications Ethernet Adaptor
Ships with 1 Master Adaptor, 1 Terminal Adaptor, and 2 power cords.
Additional Adaptors can be purchased separately.

CONSUMABLES & YIELDS

All-In-One Black Print Cartridge SP 4100	15,000 prints*
Maintenance Kit SP 4100 Type 120	90,000 prints*

Includes Fusing Unit, Transfer Roller, Paper Feed Rollers and Friction Pads

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

The Savin SP 4310N ships with a starter AIO cartridge yielding 6,000 pages. All other consumables ship at full yield. For maximum performance and yield, we recommend using genuine Savin parts and supplies.

WHAT'S IN THE BOX?

Every Savin SP 4310N ships with the mainframe, a starter All-In-One print cartridge with toner for 6,000 prints (using ISO/IEC 19752), printed operator manuals, software, electronic documentation, and printer drivers on a CD-ROM, a power cable, and the paper tray cover. USB and network cables not included.

WARRANTY

The Savin SP 4310N 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.

