

**Ricoh Aficio SP 8100DN**  
Network Laser Printer  
The fast and flexible answer  
for the connected office.

**RICOH**



versatile



fast



connected



# Ricoh Aficio SP 8100DN

Get the printer that's a perfect fit for your needs.

The RICOH® Aficio SP 8100DN black & white network printer delivers the speed you want and the flexibility you need to produce professional documents in less time—especially in print-intensive environments.

The SP 8100DN comes with the latest connectivity and security options for networked or mainframe environments. The system accepts a wide range of paper sizes and stocks. Additionally, the advanced document and management utilities put all the control you need right on your desktop.



# Versatile Productive Reliable Efficient

## Monochrome Laser Network Printing

The Ricoh Aficio SP 8100DN perfectly fits your demanding workplace.

- Load up to 11" x 17" paper quickly and easily with front-loading trays. The unique fully adjustable guides allow you to print on custom paper sizes.
- Skip time-consuming manual document assembly by loading up to five different papers into separate trays and assign paper on a page-by-page basis—all in the same print job.
- Keep pace in print-intensive workplaces and enjoy uninterrupted printing with an optional 3,000-sheet Finisher Unit that sorts, staples and punches holes.
- Save paper and filing space with standard duplexing. This helps cut postage costs when mailing large documents.



Enjoy uninterrupted printing with two optional 500-sheet paper trays and an optional large capacity tray for a large 3,550-sheet capacity.

## There's no need to wait for documents

The Ricoh Aficio SP 8100DN's next-generation 466MHz CPU quickly processes even the largest files. It also churns out 45 pages per minute—simplex and paper-saving duplex—with first prints in just 6.0 seconds.

- Keep printing moving with a generous maximum paper capacity of 3,500 sheets and the ability to reload one tray while printing from another.
- Print high-quality graphics with built-in genuine Adobe® PostScript® 3™ and 600 x 600 dpi resolution.
- Minimize network congestion and print PDFs fast with PDF Direct Print. It prints PDFs without opening the application, sending a smaller file to the printer.
- Save time and prevent waste by using Sample Print to review one set before making multiple sets.
- Store frequently used documents for walk-up on-demand printing.



Review and program print functions easily right at the device using the user-friendly control panel.

## Memory You Need, Connectivity You Want

The powerful Ricoh Aficio SP 8100DN meets the demands of today's busy office—workgroup or mainframe environments—with up to 512 MB RAM and a 40 GB hard drive. It keeps you connected with a standard 10/100 Base-TX Ethernet and USB 2.0 interface. Plus, it supports all major protocols and operating systems.

- Extend connectivity with optional high-speed Gigabyte Ethernet or wireless LAN.
- Take control and manage the Ricoh SP 8100DN remotely with WebImageMonitor. It lets users or administrators adjust settings and receive alerts via e-mail.
- Program jobs easily from your desktop with the Ricoh icon-based Ricoh Refined Print Command Stream™ (RPCS) driver.

## The Security You Need

Numerous built-in capabilities protect network data and sensitive documents to help you work in confidence.

- Protect unauthorized distribution of documents by embedding messages or patterns that appear if a document is copied on the latest Ricoh systems.
- Strengthen security by overwriting data stored in the hard disk with the Data Overwrite Security option.
- Temporarily store jobs in the Ricoh SP 8100DN until released by the user with Hold Print or Locked Print. Hold Print also works as a virtual mailbox.

## Your Environmental Partner



Ricoh continues our long-standing commitment to developing environmentally friendly office solutions with superior energy- and supply-saving features, including:

- Quick Start-up (QSU) Technology
- Power-saving Sleep Mode
- Duplex and Combine Copy Modes
- Toner Recycling
- Low Noise Levels
- Minimal Ozone Emissions
- Restriction of Hazardous Substances Compliant (RoHS)

# Ricoh Aficio SP 8100DN

## System Specifications

Aficio®

### Specifications

<b>Main Unit</b>	Aficio SP 8100DN Part # 402595
<b>Configuration</b>	Desktop
<b>Technology</b>	Twin Laser Beam Scanning & Electro-photographic Printing with Dry, Dual Component toner
<b>Resolution</b>	(PLC5e) 600 x 600, 300 x 300 dpi (PCL6) 600 x 600 dpi (RPCS) 600 x 600 dpi (PS3) 600 x 600, 300 x 300 dpi
<b>Print Speed</b>	45 ppm
<b>Duplex Speed</b>	45 ppm
<b>First Print Speed</b>	6.0 seconds or less (A4/8.5" x 11" – LEF, 1st Tray)
<b>Dimensions (WxDxH)</b>	26.4" x 25.2" x 22.0" 670 x 640 x 560mm
<b>Weight</b>	141.1 lb. 64Kg
<b>Warm-up Time</b>	22 seconds or less
<b>Power Source</b>	120V/60Hz/15A
<b>Power Consumption</b>	1400W or less, 6W or less (Energy Saver)
<b>Standard Paper Capacity</b>	500 x 2 + 50 sheet multi purpose tray
<b>Optional Paper Capacity</b>	500 x 2 sheets, PB3020 Paper Bank – Part # 402604 1,500 sheets, Large Capacity Tray RT45 – Part # 411339
<b>Maximum Paper Capacity</b>	3,550 sheets
<b>Acceptable Paper Sizes</b>	Standard Tray A3 – A5 (SEF)/ 11" x 17" – 5.5" x 8.5" (SEF) Bypass Tray A3 – A6 (SEF)/ 11" x 17" – 5.5" x 8.5" (SEF) Optional PB3020 Paper Bank A3 – A5 (SEF)/ 11" x 17" – 5.5" x 8.5" (SEF) Optional Large capacity Tray A4 (LEF)/ 8.5" x 11" (LEF) only
<b>Acceptable Paper Weights</b>	Standard Tray 64 – 105g/m <sup>2</sup> (20 – 28 lb.) Bypass Tray 52 – 163g/m <sup>2</sup> (14 – 44 lb.) Optional PB3020 Paper Bank 60 – 105g/m <sup>2</sup> (16 – 28 lb.) Optional Large capacity Tray RT45 60 – 105g/m <sup>2</sup> (16 – 28 lb.)
<b>Standard Output Capacity</b>	500 sheets
<b>Optional Output Capacity</b>	3,500 sheets (SR3040 Finisher – Part # 402624)
*SR3040 Finisher – requires the Bridge Unit Type 2045 (Part # 412553) for installation. 3,000 sheet capacity is based on 69g/m <sup>2</sup> paper.	
<b>Automatic Duplexing</b>	Standard
<b>Duplex Paper Weight</b>	64 – 105g/m <sup>2</sup> (20 – 28 lb.)

### Controller Specifications

<b>CPU</b>	RM7035C 466MHz
<b>Printer Languages</b>	PCL 5e/6 emulation Ricoh RPCS, Adobe® PostScript® 3™, PDF
<b>Memory (RAM)</b>	128MB (std) / 512MB (max)
<b>Standard Interfaces</b>	USB2.0, 100BASE-TX/10BASE-T Ethernet
<b>Optional Interfaces</b>	IEEE1284, IEEE802.11b, Gigabit Ethernet
<b>Network Protocols</b>	TCP/IP, IPX/SPX, AppleTalk
<b>Standard Print Utilities</b>	SmartDeviceMonitor for Admin, Printer Utility for Mac, Desktop Binder Lite, Font Manager 2000,
<b>Optional Print Utility</b>	DeskTopBinder Professional
<b>Drivers/Operating Systems</b>	Windows 95/98SE/NT4.0/2000/Me/XP/Server 2003 Network 3.12, 3.2, 4.1, 4.11, 5.0, 5.1, 6 Unix (using Ricoh UNIX filter) Linux RedHat Linux 6.x, 7.x, 8.x, 9, and Enterprise Mac OS 8.6-9.2x, OS X 10.1 or later (USB print is supported for Mac OS X v.10.3.3 or later. For Mac OS; Plug-in function for Sample Print, Locked Print and User Code is supported 10.2 or later.)
<b>Memory Options</b>	Memory Unit Type D – 128MB Part # 002083MIU Memory Unit Type E – 256MB Part # 001491MIU
<b>Controller Options</b>	Printer Hard Disk Type 8100* – Part # 002688MIU IEEE 802.11b Interface Unit Type H** – Part # 402378 Gigabit Ethernet Board Type A – Part # 402547 IEEE1284 Interface Board Type A – Part # 411699 Data Overwrite Security Unit Type E – Part # 402550 User Account Enhance Unit Type E – Part # 402270 Data Storage Card Type A*** – Part # 402627 VM Card Type D**** – Part # 402704

\*The optional Printer Hard Disk is required to enable: Sample Print, Locked Print, Hold Print, Store Print and other functions, contact your sales representative for further details.

\*\*128MB Additional optional memory is required.

\*\*\*Used to store digital certificates, which enable use of some security features, not necessary when a Hard Disk Drive is installed.

\*\*\*\*Used for adding Java applications integrated into the device by Ricoh Developer Program members.

### Options

<b>Image Scanner IS300E</b>	
<b>Scanner Type</b>	Flatbed color image scanner with built in ARDF
<b>Resolution</b>	Optical 600 dpi
<b>Scanning Speed</b>	Simplex: 31 black & white/ 10 color ppm @ 200 dpi Duplex: 12 black & white/ 7 color ipm @ 200 dpi Based on letter/portrait
<b>Original Sizes</b>	Up to 11" x 17"
<b>ARDF Capacity</b>	50 sheets
<b>ARDF Document Weight</b>	Simplex: 10 – 33 lb. bond (40.7 – 128.0g/m <sup>2</sup> ) Duplex: 14 – 28 lb. bond (52.3 – 104.7g/m <sup>2</sup> )
<b>Connectivity</b>	10/100BaseTX (Standard) IEEE802.11b (Option)
<b>Driver</b>	Network TWAIN (Specify 100 – 2400 dpi resolution)
<b>Data Compression</b>	MH, MR, MMR, JPEG
<b>Power Consumption</b>	120V/60Hz
<b>Dimensions (WxDxH)</b>	23.2" x 25.5" x 10.4" 590 x 647 x 265mm
<b>Weight</b>	Less than 64 lb. (29kg)

### Consumables and Yields

Ricoh Toner Type 3105D, Black – 885247 (30K LT pages at 5% toner coverage)  
Printer Maintenance Kit Type 8100N A [Development Unit] – Part # 402605 (150K LT pages)  
Printer Maintenance Kit Type 8100N B [Fusing Unit and Transfer Unit] – Part # 402606 (150K LT pages)

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

**RICOH**

www.ricoh-usa.com

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