

# RICOH

## Affordable high performance printing for workgroups



**Aficio™ SP 4100NL**

# Black and white power printing

## Speed, dependability, competitive cost

If you are in need of high quality black and white laser printing, the Aficio™SP 4100NL is your answer. Whatever your printing needs, this workhorse can handle them fast. Every month, it can print up to 100,000 pages at speeds of up to 31 pages per minute. Equipped with a 400 MHz CPU controller, this printer easily handles your demanding workload. The Aficio™SP 4100NL is a productive network printer that offers dependability, superior paper handling and a low cost of ownership. It is ideal for small companies and workgroups at larger companies.

- 31 pages per minute.
- Up to 100,000 pages per month.
- Low Total Cost of Ownership (TCO).



### Ease of use I

The Aficio™SP 4100NL is extremely easy to use and maintain. Once an option is installed, the printer driver detects it automatically. The remote monitoring function continuously shows the machine status on all user desktops. For easy operation, Ricoh has developed a printer driver with a unique one click printing interface, also known as RPCS™. Customer-specific settings can be saved under dedicated icons and only need to be selected once.

- Easy to use.
- Unique one click printing.
- Custom paper settings.



### Quality and innovation

Every year, Ricoh invests in research & development, keeping us at the forefront of innovation. Few corporations have ever won the esteemed Deming Award for Quality Control. Ricoh is the only office equipment manufacturer that has won twice. We strive for quality in everything we do. This is evident in products like the Aficio™SP 4100NL. Its clean and quiet operation adds to a comfortable work environment while its low power consumption contributes to a safe environment at large.





Minimise your power consumption:  
less than 6.5 W in energy saver mode.

### Value from a trusted name

The Aficio™SP 4100<sub>NL</sub> has been designed with customer value in mind. This printer offers features you would typically expect from a high end device for only a fraction of the price. With the energy saver mode, it is easy to minimise power consumption to less than 6.5 W. This reduces the Total Cost of Ownership. Moreover, Ricoh printers are built to last. As a leading global manufacturer of office solutions, Ricoh guarantees the excellent quality of its Aficio™ products while offering you the benefits of the most extensive service network in the industry.

- High value features.
- Competitive purchase price.
- Reduced operation costs.



### Exceptional media handling

The Aficio™SP 4100<sub>NL</sub> can print on a wide range of media. The standard and optional trays handle various sizes up to A4 with weights up to 130 g/m<sup>2</sup>. With the bypass tray, you can print on media up to 162 g/m<sup>2</sup>. Thanks to an intelligent paper pass, all printing is fast and dependable. A dedicated envelope mode enables envelope printing. Automatic double-sided printing is available as an option.

- Wide range of media types.
- Intelligent paper pass.
- Dedicated envelope mode.



## GENERAL

<b>Technology:</b>	Laser beam scanning, electro photographic printing & dual component toner development	
<b>Continuous print speed:</b>	31 prints per minute	
<b>Recovery time:</b>	Less than 12 seconds	
<b>First print speed:</b>	Less than 6.9 seconds	
<b>Dimensions (W x D x H):</b>	388 x 450 x 345 mm	
<b>Weight:</b>	15.5 kg	
<b>Power source:</b>	220 - 240 V, 50/60 Hz	
<b>Power consumption:</b>	Maximum:	970 W (main unit) 990 W (full option)
	Energy saver mode:	Less than 6.5 W (main unit) Less than 12.5 W (full option)
<b>Duty cycle:</b>	100,000 pages per month	

## CONTROLLER

<b>Processor:</b>	RM5231 400 MHz	
<b>Printer language/resolution:</b>	PCL5e:	600 x 600 dpi
	PCL6:	1,200 x 600 dpi
	RPCS™, Adobe® PostScript® 3™:	1,200 x 600 dpi
<b>Memory:</b>	Standard:	192 MB
	Maximum:	384 MB
<b>Drivers:</b>	PCL5e, PCL6, RPCS™:	Windows® 2000/XP/Server 2003
	Adobe® PostScript® 3™:	Windows® 2000/XP/Server 2003 Macintosh 8.6 or later (OS X Classic) Macintosh X v10.1 or later (native mode)
<b>Fonts:</b>	PCL:	35 intelli fonts 10 true type fonts 1 bitmap font (31 fonts can be downloaded)
	Adobe® PostScript® 3™:	136 Adobe® type 1 fonts
	Option:	OCR Barcode

## CONNECTIVITY

<b>Network protocol:</b>	TCP/IP, IPX/SPX, SMB, AppleTalk	
<b>Supported environments:</b>	Windows® 2000/XP/Vista/Server 2003 Novell® NetWare® 3.12/3.2/4.1/4.11/5.0/5.1/6/6.5 UNIX Sun® Solaris 2.6/7/8/9/10 HP-UX 10.x/11.x/11i v2 SCO OpenServer 5.0.7/6.0 RedHat® Linux 6.x/7.x/8.x/9.x/Enterprise IBM® AIX v4.3/5L v5.1/5L v5.2/5L v5.3 Macintosh 8.6 - 9.2.x (OS X Classic) Macintosh X v10.1 or later (native mode) IBM® System i5™ HPT SAP® R/3® 3.x or later NDPS Gateway AS/400® using OS/400 Host Print Transform	
<b>Interface:</b>	Standard:	Ethernet 10 base-T/100 base-TX USB 2.0 Bi-directional IEEE 1284
	Option:	Wireless LAN (IEEE 802.11b) USB Host I/F Gigabit Ethernet
<b>Additional feature:</b>	PDF Direct Print	

## SOFTWARE SOLUTIONS

<b>Standard:</b>	DeskTopBinder™ Lite, SmartDeviceMonitor™ for Admin/Client, Web Image Monitor, Printer utility for Mac, Font Manager 2000	
<b>Option:</b>	Document management utilities & professional software solutions, @Remote Service, IPDS/SCS printing, Web SmartDeviceMonitor™ 2	

## PAPER HANDLING

<b>Paper input capacity:</b>	Standard:	500-sheet paper tray
	Maximum:	100-sheet bypass tray 1,600 sheets
<b>Paper output capacity:</b>	250 sheets face down	
<b>Paper size:</b>	Paper trays:	A4 - A5
	Bypass tray:	A4 - A6
<b>Paper weight:</b>	Paper trays:	60 - 130 g/m <sup>2</sup>
	Bypass tray:	60 - 162 g/m <sup>2</sup>
	Duplex tray:	64 - 105 g/m <sup>2</sup>
<b>Media:</b>	Plain paper, thick paper, recycled paper, transparencies, envelopes	

## CONSUMABLES

<b>All-in-one cartridge:</b>	Black:	7,500 sheets <sup>1</sup>
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The Aficio™SP 4100NL ships with a 3,000 sheets<sup>1</sup> starter kit.

## OPTIONS

<b>Internal options:</b>	40 GB Hard Disk Drive 128/256 MB SDRAM DIMM Wireless LAN (IEEE 802.11b) Gigabit Ethernet Data Overwrite Security Unit VM Card Data Storage Card	
<b>External options:</b>	1 x 500-sheet paper tray <sup>2</sup> Envelope feeder (60 envelopes) Duplex unit	

<sup>1</sup> Declared yield value in accordance with ISO/IEC 19752.  
<sup>2</sup> Maximum 2 paper trays can be attached to the main unit.

For availability of models, optional apparatus and software, please consult your local Ricoh supplier.



Adobe PostScript® 3<sup>®</sup>



Embedded Software Architecture



ISO9001: 2000 certified  
ISO14001 certified

Ricoh has designed this product to meet EC ENERGY STAR guidelines for energy efficiency.

Ricoh believes in conserving the earth's precious natural resources. This brochure is printed on environmentally friendly paper: 50% recycled fibres, 50% chlorine free bleached pulp.

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