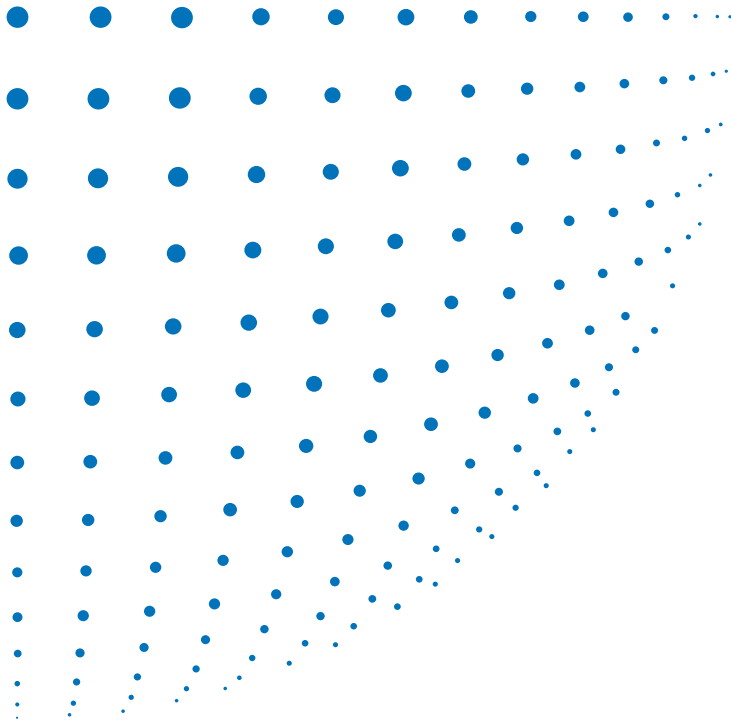


## Fast and reliable office printers



# Professional performance in colour and B/W

Shorter turnaround times and greater cost-efficiency: these are the print demands you face every day. The Aficio™ SP C820DN/SP C821DN A3 colour laser printers make sure that those requests are fulfilled, and indeed exceeded. Their superior productivity, image quality and media handling make them ideal printers in large offices.

- Outstanding productivity: 40/50 ppm.
- Professional image quality.
- Durable, reliable engines.
- Superior paper handling.
- Optional jogger and mailbox.



## A strong partnership



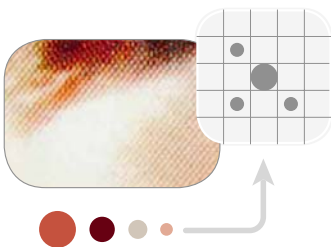
### HIGH PRODUCTIVITY

The SP C820DN prints 40, the SP C821DN 50 ppm in monochrome and full colour. They are the speediest engines in their class. With short warm-up times and fast first output speeds they tackle your workflow quickly and efficiently. Because of their 3,200-sheet paper capacity, you do not lose time with frequent refills.



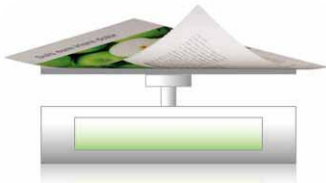
### GREAT RELIABILITY

You need to be able to rely on your heavy-duty printer. The SP C820DN/SP C821DN are engineered for maximum availability. Their duty cycle is no less than 200,000 prints. The risk of paper jams is reduced drastically by the device's short paper path.



### STARTLING IMAGE QUALITY

Impress with superior colour documents. The SP C820DN/SP C821DN simulate offset colours with the help of a special matching system. As multi-bit image printers, they are capable of producing different dot sizes. This results in exceptionally smooth image rendering and subtlety of detail.



## HEAVY STOCK CAPABILITY

Save time and money: avoid outsourcing. With excellent colour quality and finishing capabilities, the SP C820DN/SP C821DN fulfil all your printing needs. All paper trays can handle heavy stock of up to 256 g/m<sup>2</sup>. For extra cost-efficiency, you can print duplex on paper as heavy as 169 g/m<sup>2</sup>.

## OFFICE CONVENIENCE

Let the SP C820DN/SP C821DN do tedious jobs in your stead. Sharing a printer is no longer a frightening prospect with a 4-bin mailbox sorting the output. Automatic finishing saves time and hassle: a 1,000-sheet booklet finisher or 3,000-sheet finisher fold/staple documents. Tidy and store large amounts of output with an optional jogger unit.



## EASE OF USE

To help you avoid paper jams, the printer driver displays paper weights in its settings. You want to print on a special type of paper? Simply indicate the appropriate printer setting and everything runs smoothly. The operation panel conveniently displays the status of the consumables.

## ENVIRONMENT

We strive for quality in everything we do. Low power consumption and toxic-free materials are kind to the environment at large. As a sustainable company, we appreciate your effort in returning your empty supplies. Please visit [www.comet-circle.eu](http://www.comet-circle.eu) for details.



# Aficio™ SP C820DN/SP C821DN

## GENERAL

Technology:	Laser beam scanning, electro-photographic printing & dual-component toner development; 4-drums tandem method
Print speed:	SP C820DN: 40 ppm/SP C821DN: 50 ppm
Warm-up time:	34/48 seconds or less
First print speed:	Full colour: 9/8 seconds or less
Dimensions (W x D x H):	670 x 670 x 640 mm
Weight:	Less than 97 kg
Power source:	220 - 240 V, 50/60 Hz
Power consumption:	Maximum: Less than 1,400 W Energy saving mode: 2.7 W
Duty cycle:	200,000 prints per month

## CONTROLLER

Processor:	SP C820DN: Intel Celeron-M 600 MHz SP C821DN: Intel Celeron-M 1.0 GHz
Printer language/resolution:	PCL5c: 600 x 600 dpi/4bit, 2bit, 1bit, 300 x 300 dpi/1bit PCL6: 600 x 600 dpi/4bit, 2bit, 1bit, 1,200 x 1,200 dpi/1bit RPCS™, Adobe® PostScript® 3™: 600 x 600 dpi/4bit, 2bit, 1bit, 1,200 x 1,200 dpi/1bit
Memory:	SP C820DN: Standard: 512 MB Maximum: 1,024 MB, Option: 80 GB HDD SP C821DN: Standard: 512 MB + 80 GB HDD Maximum: 1,024 MB
Drivers:	PCL5c, PCL6, RPCS™: Windows® 2000/XP/Server 2003/Server 2008/Vista (32 bit) Windows® XP/Server 2003/Server 2008/Vista (64 bit) Adobe® PostScript® 3™: Windows® 2000/XP/Server 2003/Server 2008/Vista (32 bit) Windows® XP/Server 2003/Server 2008/Vista (64 bit) Macintosh OS 8.6-9.2 (OS X Classic) Macintosh OS X 10.1 or later (native mode)
Fonts:	PCL:45 fonts + International fonts (Cyrillic, Greek, Hebrew, Arabic) 13 fonts Adobe® PostScript® 3™: 136 fonts Option: OCR, Barcode (PCL option)

## CONNECTIVITY

Network protocol:	Standard: TCP/IP (IPv4, IPv6), SMB, AppleTalk Optional: IPX/SPX
Supported environments:	Windows® 2000/XP/Server 2003/Server 2008/Vista (32 bit) Windows® XP/Server 2003/Server 2008/Vista (64 bit) Macintosh OS 8.6-9.2x (OS X Classic) Macintosh OS X 10.1 or later (native mode) <sup>1</sup> Novell® Netware® 3.12, 3.2, 4.1, 4.11, 5.0, 5.1, 6, 6.5 Sun® Solaris 2.6/7/8/9, HP-UX 10.x/11.x/11iv1/11i SCO OpenServer 5.06 RedHat® Linux 6.x/7.x/8.x/9.x/Enterprise IBM® AIX v4.3/5L v5.1/5L v5.2 SAP® R/3® version 3.x or later

Interface:	Standard: USB 2.0, USB Host I/F Ethernet 10 base-T/100 base-TX Option: Parallel Port IEEE1284 Wireless LAN Interface (IEEE 802.11a/b/g) Bluetooth, Gigabit Ethernet
------------	---

## SOFTWARE SOLUTIONS

Standard:	DeskTopBinder™ Lite, SmartDeviceMonitor™ for Admin, Printer utility for Mac, Web Image Monitor, Font Manager 2000
Option:	DeskTopBinder™ Professional, Web SmartDeviceMonitor™

## PAPER HANDLING

Paper input capacity:	Standard: 2 x 550-sheet paper tray 1 x 100-sheet bypass tray Maximum: 3,200 sheets
Paper output capacity:	Standard: 500 sheets (without finisher), 250 sheets (with finisher) face down Maximum: Up to 4,000 sheets
Paper size:	Paper trays: A3 - A5, bypass tray: A3 - A6
Paper weight: <sup>2</sup>	Paper trays: 60 - 256 g/m <sup>2</sup> , bypass tray: 60 - 256 g/m <sup>2</sup> LCT: 60 - 256 g/m <sup>2</sup> , duplex tray: 60 - 169 g/m <sup>2</sup>
Media:	Plain, recycled, special, coloured, thick, letterhead, coated, pre-printed, bond paper; card stock Bypass tray only: Labels, transparencies, envelopes

## CONSUMABLES

High-yield toner:	Black: 20,000 prints <sup>3</sup> , Colour: 15,000 prints <sup>3</sup>
Starter toner:	Black: 10,000 prints <sup>3</sup> , Colour: 8,000 prints <sup>3</sup>
Photo conductor/developer unit:	Black: 40,000 prints <sup>3</sup> , Colour: 40,000 prints <sup>3</sup>
Fusing unit:	160,000 prints <sup>3</sup>
Transfer unit:	200,000 prints <sup>3</sup>
Used toner bottle:	40,000 prints <sup>3</sup>

## OTHER OPTIONS

Internal options:	Memory units (SDRAM 256 MB, SDRAM 512 MB), Camera Direct Print card, SD card for Netware, VM card, HDD encryption unit, Data Overwrite Security Unit
External options:	1 x 550-sheet paper tray, 2 x 550-sheet paper tray, 2,000-sheet LCT, 1,000-sheet booklet finisher, 3,000-sheet finisher, 4-bin mailbox (requires installation of 2 x 550-sheet paper tray or 2,000-sheet LCT), Jogger unit, Bridge unit, Punch unit (2/3 hole, 2/4 hole and 4 hole)

- 1 USB print is supported for Mac OS X v.10.3.3 or later.
- 2 Print quality depends on the conditions and environment of the machine.
- 3 A4 5% test chart.

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

ISO9001: 2000 certified ISO14001 certified

All brand and/or product names are trademarks of their respective owners. Specifications and external appearance are subject to change without notice. The colour of the actual product may vary from the colour shown in the brochure.  
Copyright © 2009 Ricoh Europe PLC.

All rights reserved. This brochure, its contents and/or layout may not be modified and/or adapted, copied in part or in whole and/or incorporated into other works without the prior written permission of Ricoh Europe PLC.



# RICOH

[www.ricoh.eu](http://www.ricoh.eu)



[www.insightsystems.co.uk](http://www.insightsystems.co.uk)  
0870 240 4434

For more information, please contact



EUR - B0109N - C00581