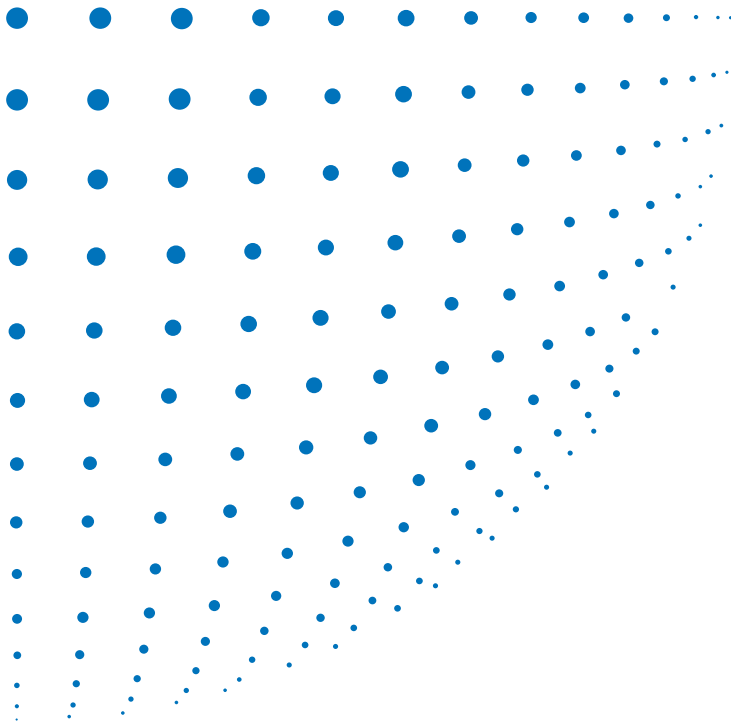


Fast and reliable office printers



# 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



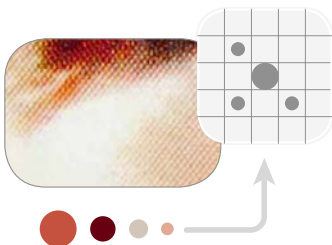
### HIGH PRODUCTIVITY

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;<br>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<br>Energy saving mode: 2.7 W                                                         |
| Duty cycle:             | 200,000 prints per month                                                                                        |

## CONTROLLER

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

## CONNECTIVITY

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

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

## SOFTWARE SOLUTIONS

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

## PAPER HANDLING

|                            |                                                                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Paper input capacity:      | Standard: 2 x 550-sheet paper tray<br>1 x 100-sheet bypass tray<br>Maximum: 3,200 sheets                                                                     |
| Paper output capacity:     | Standard: 500 sheets (without finisher),<br>250 sheets (with finisher) face down<br>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><br>LCT: 60 - 256 g/m <sup>2</sup> , duplex tray: 60 - 169 g/m <sup>2</sup>   |
| Media:                     | Plain, recycled, special, coloured, thick, letterhead,<br>coated, pre-printed, bond paper; card stock<br>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/<br>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),<br>Camera Direct Print card, SD card for Netware, VM card,<br>HDD encryption unit, Data Overwrite Security Unit                                                                                                                                         |
| External options: | 1 x 550-sheet paper tray, 2 x 550-sheet paper tray,<br>2,000-sheet LCT, 1,000-sheet booklet finisher,<br>3,000-sheet finisher, 4-bin mailbox (requires<br>installation of 2 x 550-sheet paper tray or 2,000-sheet<br>LCT), Jogger unit, Bridge unit, Punch unit (2/3 hole,<br>2/4 hole and 4 hole) |

<sup>1</sup> USB print is supported for Mac OS X v.10.3.3 or later.

<sup>2</sup> Print quality depends on the conditions and environment of the machine.

<sup>3</sup> A4 5% test chart.

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

ISO9001: 2000 certified ISO14001 certified

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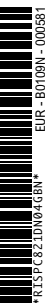
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For more information, please contact



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