Ricoh Aficio SP C231N/SP C232DN
Color Laser Printer
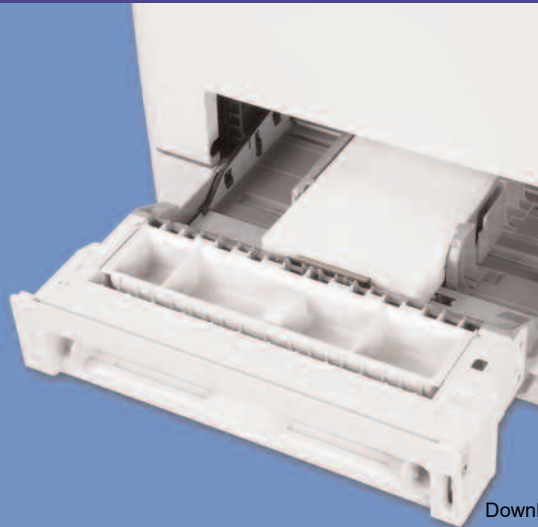### Small In Size, Large In Value

RICOH

quick

color

affordable

Ricoh Aficio SP C231N/SP C232DN

You don't have to spend a lot to look good on paper.
What does the quality of your documents say about your business? Large or small, Ricoh knows that every business wants to maximize image quality at minimal cost. After all, you only get one chance to make a first impression. That's where the RICOH® Aficio® SP C231N and SP C232DN come in. Stylish and compact, these easy-to-use color laser printers provide professional full-color quality that allows you to express your business in its best light. Featuring vibrant color output at 21 pages-per-minute and a low total cost of ownership, you can focus on enhancing your image while Ricoh focuses on saving you money. That's an investment that looks good on paper.

SpeedQualityAffordableColor

Big on Productivity

Fast speeds, impeccable image quality, plus a host of productivity-enhancing features make the Ricoh Aficio SP C231N/SP C232DN a smart business decision.

- Print at equal speeds of up to 21-ppm for both full-color and black & white pages for maximum productivity—even when creating mixed documents. Minimize waiting with a fast first print speed of just 14 seconds.
- Produce vivid color graphics and crisp text at enhanced resolutions of up to 2400 x 600 dpi without any loss in speed or productivity.
- Network-ready to support multiple users immediately upon installation.
- Accurately process complex print jobs from all connected users with PCL or PostScript emulation. The powerful 300MHz controller offers expandable memory to support job spooling and high resolution printing in multi-user environments.
- Seamlessly integrate these printers into your office with standard Windows and Macintosh compatibility with automatic PDL switching.
- Expand your capabilities with a PictBridge™ interface for simple digital camera printing (SP C232DN only).

Versatile enough to handle all media types with maximum efficiency and image quality including heavy stocks, labels and envelopes.

Low on Cost

Surprisingly affordable, the Ricoh Aficio SP C231N/ SP C232DN works to save you even more over the life of your investment.

- Minimize total cost of ownership with High Yield All-In-One print cartridge technology for rock-bottom per-page costs.
- Reduce printing costs further with smart Auto Color Sensing (ACS) technology to stretch supply yields.
- Reduce paper use, filing space and postage costs with standard automatic duplexing (SP C232DN only).

Easily replace All-In-One print cartridges in seconds for maximum uptime with do-it-yourself convenience, and then return depleted cartridges for recycling at no cost to you.

Small on Size and Upkeep

Easy to install and maintain, the Ricoh Aficio SP C231N/ SP C232DN comfortably fits on your desk or anywhere space is limited while offering total front access in a compact design.

- Streamline supply purchasing and inventory with long-lasting, All-In-One print cartridge technology.
- Easily exchange the top-loading All-In-One print cartridges in seconds for fast, mess-free replacement by any user.
- Increase paper supply to 751 sheets without increasing footprint. The optional 500-Sheet Paper Feed Unit installs beneath the printer to expand capacity without occupying more space.
- Execute printer set-up and maintenance tasks, graphically view supply status, and easily correct error conditions at the device with the user-friendly control panel.
- Manage printer network settings and check supply levels remotely with Web Image Monitor, the printer's embedded web page.

The Total Green Office Solution

ENERGY STAR

Our earth, Our tomorrow

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

Main Unit Specifications

Aficio SP C231N	Part # 406505
Aficio SP C232DN	Part # 406506
Configuration	Desktop
Technology	Laser beam scanning, color electro-photographic printing with mono-component toner development
	4 tandem drum method
Resolution	600 x 600 dpi (Default) (Speed mode)
	1200 x 600 dpi equivalent (Standard mode)
	2400 x 600 dpi equivalent (Fine mode)
Print Speed (Letter)	Black & white: 21 pages-per-minute (All modes)
	Full-color: 21 pages-per-minute (All modes)
First Print Speed	14 seconds or less
Warm-Up Time	48 seconds or less
Maximum Paper Size	8.5" x 14"
Standard Paper Supply	250-Sheet Tray + 1-Sheet Bypass Tray
Optional Paper Supply	500-Sheet Paper Feed Unit
Maximum Paper Capacity	751 sheets
Output Capacity	150 sheets (Face down)
Duplex	SP C231N: Manual
	SP C232DN: Automatic (Approx. 60% productivity)
Paper Sizes	Standard Tray and Bypass Tray: Letter (8.5" x 11"), A4 (8.3" x 11.7"), EXE (7.25" x 10.5"), B5 (6.9" x 9.8"), Legal (8.5" x 14"), Half Letter (5.5" x 8.5"), A5 (5.8" x 8.3"), A6 (4.2" x 5.8"), B6 (5.0" x 6.9"), Custom (Width: 3.5" – 8.5", Length: 5.8" – 14")
	Optional Paper Feed Unit: Letter (8.5" x 11"), A4 (8.3" x 11.7")
Paper Weight	Standard Tray and Bypass Tray: 16 – 40 lb. Bond/83 lb. Index (60 – 160 g/m^2)
	Optional Paper Feed Unit: 16 – 28 lb. Bond (60 – 105 g/m^2)
Acceptable Paper Types	Standard Tray and Bypass Tray: Plain Paper, Recycle Paper, Envelopes, Thick Paper, Labels, Thin Paper, Color Paper, Preprinted Paper, Pre-punched Paper, Letterhead, Bond Paper & Card Stock
	Optional Paper Feed Unit: Plain Paper, Recycle Paper
Dimensions (WxDxH)	15.7" x 17.7" x 12.6" (400 mm x 450 mm x 320 mm)
Weight	50.7 lb. (23 kg) Including consumables
Power Requirements	120V, 60Hz
Max. Power Consumption	1,300W or less
Energy Saver Mode	15W or less
Safety Regulations	UL60950-1, FCC Part 15 Class B ENERGY STAR: Color Printer – Tier 1 (SP C232DN only)

Print Controller Specifications

CPU	300MHz
Memory	128 MB RAM standard, 640 MB RAM maximum
Standard Interfaces	SP C231N: USB 2.0, Ethernet 10/100Base-TX
	SP C232DN: USB 2.0, Ethernet 10/100Base-TX, USB Host Interface for PictBridge™
Optional Interface*	IEEE 802.11b/g Wireless
Fonts	80 HP fonts
Network Protocols	TCP/IP, AppleTalk, IPX/SPX
Printer Languages/ Drivers	PCL 5c, PCL 6, PostScript 3 emulation
Supported Environments	Windows 2000, XP, Vista, Server 2003/2008
	Mac OS X v.10.2.8 - 10.5
	Novell NetWare v. 4.x+
	Citrix MetaFrame
	UNIX (Ricoh Filter Phase 11)
Software Utilities	Web Image Monitor
	Smart Organizing Monitor

*Please note the optional Wireless Adaptor SX-2500CG and wired 10/100Base-TX interface cannot operate simultaneously.

Controller Options

256 MB Memory Unit	Type F	Part # 003310MIU
512 MB Memory Unit	Type F	Part # 003311MIU
Wireless Adaptor SX-2500CG		Part # 100118FNG
Network Interface	10/100Base-TX (Auto detection)	
Wireless LAN Type	IEEE 802.11 b/g	
Protocol Support	TCP/IP	
Wireless Security	WEP (64/128), SSID, WPA-PSK (TKIP/AES), WPA2-PSK (AES)	
Configuration	Via Web Browser	
Dimensions (WxDxH)	5.4" x 4.4" x 1.4" (138 mm x 114 mm x 36 mm)	
Weight	6 oz. (170 g)	
Power Source	AC Adapter (100 - 240V, 50/60Hz)	

Hardware Accessories

Paper Feed Unit Type TK1010	Part # 406019
Capacity	500 sheets
Paper Size	Letter, A4 (8.3" x 11.7")
Paper Weight	16 – 28 lb. Bond (60 – 105 g/m^2)
Dimensions (WxDxH)	16" x 18" x 5.08" (400 mm x 450 mm x 127 mm)
Weight	13.2 lb. (6 kg)

Consumables & Yields*

Black All-In-One Cartridge SP C310A	2,500 pages*	Part # 406344
Cyan All-In-One Cartridge SP C310A	2,500 pages*	Part # 406345
Magenta All-In-One Cartridge SP C310A	2,500 pages*	Part # 406346
Yellow All-In-One Cartridge SP C310A	2,500 pages*	Part # 406347
Black All-In-One Cartridge SP C310HA	6,500 pages*	Part # 406475
Cyan All-In-One Cartridge SP C310HA	6,000 pages*	Part # 406476
Magenta All-In-One Cartridge SP C310HA	6,000 pages*	Part # 406477
Yellow All-In-One Cartridge SP C310HA	6,000 pages*	Part # 406478
Waste Toner Bottle Type 220	25,000 pages	Part # 406043

*Declared yield value in accordance with ISO/IEC 19798. Actual yields may vary based on images printed and other factors.

The Ricoh Aficio SP C231N and SP C232DN ship with a set of four starter All-In-One print cartridges yielding 1,000 pages each.
All other consumables ship at full yield.
For maximum performance and yield, we recommend using genuine Ricoh parts and supplies.
Specifications subject to change without notice.

Warranty

The Ricoh Aficio SP C231N and SP C232DN are 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.

RICOH

www.ricoh-usa.com

Bringing Ricoh Value to Your Organization
Ricoh technology offers a diverse portfolio of solutions to help your organization stay competitive and move ahead. Let Ricoh show you how to empower your business to improve critical processes, keep information secure, ensure compliance and promote environmental sustainability while reducing the total cost of ownership.

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