Aficio®
1224C/1232C

The Copy, Scan, Print, Fax System with convenience color

RICOH®

Integrate your documents with a single touch.

Until now, making decisions has always been about compromise. With the RICOH® Aficio® 1224C/1232C series, there is no need to compromise versatility and functionality.

The Aficio 1224C/1232C are high-performance multi-function systems that integrate copying, printing, scanning and optional faxing capabilities. They have all of the features you've come to expect from Multi-Functional Products (MFP) in speed, image quality, paper handling and finishing options. Plus, they are easy-to-maintain and compact units.

What separates the Aficio 1224C/1232C series from the competition is that they can also perform any of their functions in full color. When a splash of color is needed in a document, the Aficio 1224C/1232C can produce it with just a click of a mouse or push of a button.

Centralize document production and distribution to create more productive workgroups.

copy   print   scan   fax

Savings that add up

It's not unusual to see a fax, copier and a variety of printers installed in an office to handle the wide range of tasks. The Aficio 1224C/1232C incorporate all of these functions into one system, so one solution performs virtually all document production and distribution for the entire workgroup.

The Aficio 1224C/1232C can positively impact your bottom line because all service costs and consumables are consolidated into one product. Besides the low acquisition cost, the Aficio 1224C/1232C have operating costs comparable to other black & white MFPs. Lastly, the modular design and easy access to all consumables reduce the need for service calls and downtime.

Operation made simple

Having a wide range of functionality is good only if it's easy to access and use. With the Aficio 1224C/1232's intuitive Panoramic Touch Panel Display, operation could not be any simpler. The interface is designed to minimize steps while maximizing users' access to the full range of the Aficio 1224C/1232C's capabilities.

This simplicity is carried over to the printing function. With the Ricoh RPCS print driver, users have access to all of the printing and finishing capabilities in a single-level menu interface. Commonly used printing and finishing settings can be saved and retrieved simply by pointing and clicking.

Add finishing touches

The Aficio 1224C/1232C put the finishing touches on your documents without lifting a finger. With the 1,000-sheet finishing option, you can collate, sort and staple a wide variety of documents. These systems can handle papers as large as 12″ x 18″, paper weights as high as 90 lb. Index, and can staple documents with as many as 50 pages in up to two places. There is also a 500-sheet finisher, which sorts, stacks and staples documents up to 30 pages long.

With online document collation and stapling, these systems eliminate manual handling and ensure that your documents look their best and are ready for quick distribution.

There is color, too

Besides copying, scanning, printing and faxing, the Aficio 1224C/1232C offer full color. Most of your documents are still black & white, which sometimes is all that is needed. But for that occasion when you require an accent of color for a critical document or presentation, the Aficio 1224C/1232C can do it with ease. Color pages are integrated seamlessly into the document and finished without manual intervention. You have convenience color at your fingertips!

Don't think just because there is vibrant color on the Aficio 1224C/1232C that there is a significant price premium. On the contrary, the difference in cost between the Aficio 1224C/1232C and comparable black & white systems is about the cost of a cup of coffee per day!

The Aficio 1224C/1232C are available in a variety of configurations so that you can choose the model that fits your needs and budget best.

The Aficio 1224C is capable of producing 24 pages-per-minute in black & white and 8 pages-per-minute in color. It is ideal for the small workgroup. The base model of the Aficio 1224 comes standard with automatic duplexing and a bypass tray. The Aficio 1224 S/P model extends the functionality to include network scanning and printing. Optional accessories including automatic document feeder, extra paper trays, and finishers are available to increase productivity and convenience.

The Aficio 1232C has faster throughput, with 32 pages-per-minute in black & white and 10 pages-per-minute in color. Well suited to support workgroups, the Aficio 1232 comes standard with automatic duplexing, a bypass tray, and an Automatic Reversing Document Feeder. The Aficio 1232C S/P includes network scanning and printing functionality. The Aficio 1232C shares the same optional accessories with the Aficio 1224C.

convenience color

Projection

Features Overview

C O P Y I N G

The Aficio 1224C/1232C have sufficient throughput to handle the needs of today's busy workgroups:

- The Aficio 1224C copies at a rate of 24 black & white and 8 color cpm
- The Aficio 1232C outputs 32 black & white and 10 color cpm
- Scan Once Copy Many to attain full engine speed
- First Copy Out Time of 7.8/18 seconds (BW/FC)

P R I N T I N G

The Aficio 1224C/1232C are network printers your workgroup can share:

- 24 or 32 ppm black & white output
- Less than 8 seconds First Page-Out times
- 8 or 10 ppm in color
- Two-page description languages–PCL 5c emulation and Ricoh RPCS standard, and genuine Adobe Postscript 3 as an option
- Access to any document finishing options

S C A N N I N G

Every office has numerous documents residing only on paper, which may be the preferred medium for reading, but is inefficient for distribution and archival. The Aficio 1224C/1232C's scanning capability and Document Server utility converts paper-based documents to digital files and routes them to recipients over the network or the Internet through the embedded scan to email capability. Color documents can be scanned at up to 600 dpi to capture the finest detail.

F A X I N G

With the optional fax capability, the Aficio 1224C/1232C become ultimate document processing hubs, integrating the functions of all office peripherals into one solution.

The fax option supports up to two lines for simultaneous reception and transmission. To maintain high image quality, users can fax documents directly from their desktop. The Aficio 1224C/1232C incorporate all of the productivity features of dedicated faxes. For added convenience, you can fax two-sided originals using the ARDF.

D O C U M E N T   S E R V E R

Ricoh's Document Server provides you with comprehensive storage, search and retrieval tools to manage the conversion of paper-based originals into digital files. Whether documents are copied, printed, or faxed, they can be automatically stored on the system's 40 GB hard drive.

After you've found the right document, the Document Server enables you to leverage it further by combining it with other documents, re-purposing and distributing it on paper, via email or fax.

M A N A G E M E N T   C O N T R O L

The Aficio 1224C/1232C come standard with several utilities that provide extensive control, that enables you to manage your documents and Ricoh products with maximum efficiency.

- DeskTopBinder Lite, which works in conjunction with Document Server, enables you to view, download, and re-purpose documents stored on the Aficio 1224C/1232C hard disk drive.
- Job Binder within the Ricoh RPCS print driver, enables you to assemble individual pages from multiple document, regardless of the application. Then the file can be printed as a new documents, complete with new titles, headers, footers and page numbering.
- SmartNetMonitor configures and monitors the Aficio 1224C/1232C and any other Ricoh device on the network from a client PC. It provides real-time status reports on the Aficio 1224C/1232C, including busy/idle, paper and toner levels and the current set-up.

Documents can be easily scanned and distributed electronically with the Aficio 1224C/1232C. Scanning is supported through:

- The standard ScanRouter Lite enables you to distribute documents within the immediate network segment.
- GlobalScan is a new electronic document delivery system that incorporates greater flexibility in designating destinations with LDAP support.
- DocumentMall is an Internet-based file storage system for scanned documents. It makes document collaboration and sharing possible regardless of the geographical distance between users.

**Optional
Platen cover**

500 sheet output

Aficio 1224C/1232C
BASE CONFIGURATION
Designed for basic copying
and simple finishing.

**Optional
500 sheet finisher**

**Standard 2 x 250
sheet paper trays**

**Optional 2 x 500
sheet paper trays**

Optional ARDF
(standard on 1232C & 1232C S/P)

**Optional
Internal shift tray**

**Duplex
Unit**

**Optional
1,000 sheet finisher**

Bypass tray

Aficio 1224C/1232C S/P
MFP CONFIGURATION
A fully functional MFP with
automatic document feeding and
high volume document finishing.

**Optional
2,000 sheet large capacity tray**

T H E   R I C O H   A F I C I O
1224C/1232C
W O R K G R O U P   S Y S T E M

General Specifications

Aficio 1224C (EDP 405452)
Aficio 1232C (EDP 405453)
Aficio 1224C S/P (EDP 405448)
Aficio 1232C S/P (EDP 405449)

Process:	Dual laser beam & dry electrostatic transfer system with mono-component development system
Originals:	Sheet / Book Object
Resolution:	Input: 600 dpi / 8 bits (256 gradations)
	Output: 600 dpi / 2 bits (256 gradations)
Copy Size:	Max. 11" x 17" (full-bleed on 12" x 18")
	Min. 3.94" x 5.83" (100 x 148mm)
Max. Imaging Area:	11.69" x 17" (297 x 432mm)
Paper Size:	Standard Trays: 11" x 17", 8 $^1/_2$" x 14", 8 $^1/_2$" x 11", 5 $^1/_2$" x 8 $^1/_2$", 7 $^1/_2$" x 10 $^1/_2$", 8" x 13", 8 $^1/_4$" x 13", 8 $^1/_2$" x 13", A3, B4, A4, B5, A5, B6, A6
	Bypass Tray: 3.82" x 7 $^1/_2$" to 12" x 18" (90 x 148mm to 305 x 457mm)
Warm-Up Time:	Approximately 99 seconds
First Copy Time:	Monochrome: 7.8 sec. (Letter size, 1st tray)
	Color: 18 sec. (Letter size, 1st tray)
Copy & Print Speed:	Aficio 1224C
	Normal Mode (600 x 600 dpi) 24 cpm (BW), 8 cpm (FC)
	Thick Paper 6.5 cpm (BW), 4 cpm (FC)
	OHP 3.2 cpm (BW), 2 cpm (FC)
	Aficio 1232C
	Normal Mode (600 x 600 dpi) 32 cpm (BW), 10 cpm (FC)
	Thick Paper 6.5 cpm (BW), 4 cpm (FC)
	OHP 3.2 cpm (BW), 2 cpm (FC)
Multiple Copies:	Up to 100 copies
Input Paper Capacity:	Standard: 500 sheets
	100-sheet Bypass Tray
	Maximum: 2,600 sheets
	Optional 2 x 500-sheet Paper Bank or
	2 x 1,000-sheet LCT
Output Tray Capacity:	Standard: 500 sheets
	Maximum: 1,500 sheets with SR790
Paper Weight:	Trays: 17 to 43 lb. Bond (64 to 163g/m²)
	Bypass Tray: 17 to 43 lb. Bond (64 to 163g/m²)
Paper Type:	Plain paper, laser printer qualified transparencies, labels, and envelopes
Reproduction Ratios:	7 Reductions, 5 Enlargements (400%, 200%, 155%, 129%, 121%, 100%, 93%, 85%, 78%, 73%, 65%, 50%, and 25%)
Zoom:	From 25% to 400% in 1% increments
Auto Duplex Copy:	Standard
Duty Cycle:	100,000
Memory:	128 MB; 384 MB maximum
Memory Type:	144 pin DIMM; SDRAM (PC133 compliant)
Hard Disk Drive:	40 GB

Advanced Copy Features

Color Selections:	Full Color; Black & White; Single Color; Twin Color
Twin Color:	Black + One single color
	Black + Red
Original Selection:	Auto Text and Photo Separation Mode; Photo Mode; Text Mode; Map Mode; Second Generation Mode; Pale/Low Density Mode
Reduce/Enlarge:	Auto Magnification Selection; Directional Magnification
Image Rotaion:	Yes
Shift/Erase Image:	Centering; Margin Adjustment; Erasing Center; Erasing Border; Erasing Center/Border
Cover Sheets:	Yes: Front; Front & Back
Image Color Adjustment:	Automatic Color Calibration; Color Balance; Sharp/Soft; Contrast; Background Density Adjustment; UCR; Auto Text and Photo Separation; Color Erase Sensitivity Adjustment
Print Copy:	Yes
Stamp/Numbering:	Yes: (Date Stamping; Page Numbering)
Programs:	Up to 10 programs
Interrupt Copy:	Yes
User Codes:	Up to 80 user codes
Operation Panel:	Monochrome LCD

Physical Specifications

Dimension (W x D x H):	21.65" x 26.37" x 30.74" (550 x 670 x 781mm)
Weight:	less than 187 lb. (85kg)
Power Requirements:	120V 12A 60Hz
Power Consumption:	1,500W or less

Options and Accessories

Printer/Scanner Unit Type 1232   (EDP 405456)

Scanning Specifications

Resolution:	Up to 1,200 dpi Monochrome
	Up to 600 dpi Full Color (200 dpi is default setting)
Scanning Speed:	Black & White: 30 spm (from ARDF at 200 dpi)
	Full Color: 6 spm (from ARDF at 200 dpi)
Driver:	Network TWAIN
Scanning Utility:	ScanRouter Lite
Scan to E-mail:	SMTP Gateway and TCP/IP required (embedded scan to e-mail)
Destinations:	Up to 2,000 stored entries and Ad-Hoc e-mail entry

Printer Specifications

CPU	RM5261A 250MHz
Printer Languages:	PCL 5c emulation; Ricoh RPCS
	Adobe PostScript 3 (optional) - (EDP 405413)
Resolution:	1,800 x 600 dpi; 600 x 600 dpi; 300 x 300 dpi
Fonts:	35 IntelliFonts
Interface:	10/100 BaseTX Ethernet and IEEE 1284 compliant parallel
Optional interfaces:	IEEE 802.11b (Wireless LAN Interface)
	IEEE 1394
Network Protocols:	TCP/IP, IPX/SPX, NetBEUI, AppleTalk (Auto Switching)
Utilities:	SmartNetMonitor; WebStatusMonitor; DeskTopBinder Lite
Drivers:	PCL 5c: Windows 95 / 98 / Me / NT 4.x / 2000 / XP
	RPCS: Windows 95 / 98 / Me / NT 4.x / 2000 / XP
	PS: Windows 95 /98 / Me / NT 4.x / 2000 / XP; Mac OS 8.6 or later; OS X; UNIX

Fax Option Type 1232   (EDP 405386)

Type:	G3 Transceiver
Circuit:	PSTN; PBX
Resolution:	200 x 200 dpi; 200 x 100 dpi
Scanning Speed:	1.11 seconds/page
Modem Speed:	Up to 33,600 bps
Transmission Speed:	3.0 seconds; 2.0 second with JBIG option
Compression Method:	MH; MR; MMR; (JBIG option)
SAF Memory:	2 MB Standard; up to 26 MB with option
Additional Lines:	G3 (EDP 405390)
J-Big Option:	(EDP 410284)
Handset:	(EDP 410781)

Automatic Reversing Document Feeder DF75   (EDP 410952)

Original Sizes:	5$^1/_2$" x 8$^1/_2$" to 11" x 17"
Original Weight:	11 to 34 lb. (40 to 128g/m²)
Stack Capacity:	50 sheets (21 lb. bond/80g/m²)

Platen Cover   (EDP 405375)

Key Counter Bracket   (EDP 405716)

PS510 Paper Bank Unit   (EDP 405368)

Paper Size:	5$^1/_2$" x 8$^1/_2$" to 11" x 17" (A5 to A3)
Paper Weight:	17 to 34 lb. Bond (64 to 128g/m²)
Paper Capacity:	2 trays x 500 sheets (21lb. bond/80g/m²)

PS520 Large Capacity Tray   (EDP 405370)

Paper Size:	8$^1/_2$" x 11" (A4)
Paper Weight:	17 to 34 lb. Bond (64 to 128g/m²)
Paper Capacity:	2,000 sheets (21 lb. bond/80g/m²)

1,000 Finisher Kit   (EDP 001436MIU)

Paper Sizes:	5$^1/_2$" x 8$^1/_2$" to 12" x 18" (A6 to A3)
Paper Weight:	17 to 43 lb. Bond (64 to 163g/m²)
Stack Capacity:	Proof Tray: 250 sheets
	Shift Tray: 1,000 sheets (8$^1/_2$" x 11") or 500 sheets (8$^1/_2$" x 14" or larger)
Staple Capacity:	50 sheets
Staple Paper Size:	5$^1/_2$" x 8$^1/_2$" to 12" x 18"
Staple Paper Weight:	17 to 24 lb. Bond (64 to 90g/m²)
Staple Position:	Five combinations
Kits Include:	SR790 1,000-Sheet Finisher, Bridge Unit, and Adjustment Table

500-Sheet Finisher Kit (EDP 001437MIU)

Paper Size:	5 $^1/_2$" x 8 $^1/_2$" to 11" x 17" (A5 to A3)
Paper Weights:	14 to 34 lb. Bond (52 to 128g/m²)
Stack Capacity:	500 sheets (8 $^1/_2$" x 11 $^1/_2$") or 250 sheets (8 $^1/_2$" x 14" or larger)
Staple Capacity:	30 sheets
Shift Tray:	Standard
Staple Position:	One
Kits Include:	SR830 500-Sheet Finisher and Bridge Unit

Internal Shift Sort Tray Type 1232 (EDP 405378)

Paper Size:	5 $^1/_2$" x 8 $^1/_2$" to 12" x 18" (A6 to A3)
Paper Capacity:	250 sheets

PT290 One-Bin Tray (EDP 405376)

Bin Capacity:	125 sheets
Paper Sizes:	5 $^1/_2$" x 8 $^1/_2$" to 11" x 17" (A5 to A3)
Paper Weights:	17 to 28 lb. Bond (64 to 105g/m2)
Paper Sensor:	Yes

IEEE 802.11b Wireless LAN Interface (EDP 405412)

Data Transmission speed:	1/2/5.5/11 Mbps
Protocol:	TCP/IP
Frequency:	2,400 MHz to 2,497 MHz
Connection Types:	Ad Hoc mode; Infrastructure mode
Distance between devices:	1 Mbps: 1,300 feet; 2 Mbps: 877 feet; 5.5 Mbps: 650 feet; 11 Mbps: 151 feet

Note: Cannot be used simultaneously with 10/100 BaseTX. Must be manually selected at the operator control panel

IEEE 1394 Interface Type 4510 (EDP 400745)

Included Cables:	2.0m 6-pin to 6-pin cable; 2.0m 6-pin to 4-pin
Hardware Specification:	6-pins; 2 ports available
Data Transmission Speed:	100/200/400 Mps
System Requirements:	Windows 2000 Professional/Server with Service Pack 1
	Windows XP for IP over IEEE 1394 (TCP/IP Protocol)

Memory Options

256 MB RAM (EDP 001180MIU)

144-pin DIMM; SDRAM (PC133 compliant) Maximum System RAM of 384 MB

Supplies (Yields are based on 5% coverage on letter sized page)

Black Toner	(EDP 885317) @ Approx. 25,000 pages
Cyan Toner	(EDP 885320) @ Approx. 17,000 pages
Yellow Toner	(EDP 885318) @ Approx. 17,000 pages
Magenta Toner	(EDP 885319) @ Approx. 17,000 pages
Staple Set Cartridge for SR830	(EDP 410801) @ 5,000 shots
Staple Refill Cartridge for SR830	(EDP 410802) @ 5,000 x 3 shots
Staple Set and Refill for SR790	(EDP 410133) @ 3,000 x 4 shots

Print speed may be affected by network, application or PC performance.
Specifications and external appearances are subject to change without notice.
Products are shown with optional features.
For maximum performance and yield, we recommend using genuine Ricoh parts and supplies.

The Aficio 1224C/1232C

Centralize document production and distribution to create more productive workgroups.

ONE SYSTEM

ONE ANSWER

Aficio 1224C/1232C
Base Model

Base Configuration Includes:

Mainframe

2 x 250 Sheet Trays

100-Sheet ByPass Tray

Auto-Duplexing

Interchange Unit

128 MB RAM

ARDF (optional on Aficio 1224C/1224C S/P)

Options Shown

2 x 500 Sheet Trays

500-Sheet Finisher

Platen Cover

Aficio 1224C/1232C S/P
MFP Model

Base MFP Configuration Includes:

Mainframe

2 x 250 Sheet Trays

100-Sheet ByPass Tray

Auto-Duplexing

Interchange Unit

384 MB RAM

ARDF (optional on Aficio 1224C/1224C S/P)

Options Shown

1,000 Sheet Finisher

2,000 Sheet LCT

Platen Cover

Internal Shift Tray

OTHER OPTIONAL ACCESSORIES

· One-Bin Tray

· Internal Shift Tray

S/P Upgrade

· Fax functionality

(additional fax options not listed here)

· IEEE 1394 Interface

· IEEE 802.11B Wireless LAN

· ARDF

· Platen Cover

EPA 2000 Office Products Partner of the Year (5th consecutive year)
EPA 2000 Labeling Partner of the Year
Ricoh Corporation has determined that this product meets the Energy Star®
guidelines for energy efficiency.

*Not applicable for Aficio 1224C Basic Model

RICOH®
Image Communication

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