

Aficio™ 1224C/1232C

Aficio™



**Real Multi-functionality in  
Black-and-White... with Colour!**

**RICOH**  
Image Communication

# Productive Black-and-white and Innovative Colour in One

The challenges your workgroup faces as to productivity and efficiency are numerous. With deadlines continuously becoming tougher and quality demands higher, you simply cannot afford to stay behind and waste time, energy and money on complicated office systems. By introducing the Aficio™1224C/1232C, Ricoh presents the ideal devices to instantly optimise your office workflow. These digital all-in-one systems not only combine excellent print, copy, scan and fax capabilities, but also come with a number of versatile document management tools. As the Aficio™1224C/1232C are easy to use and upgrade, your worries about complicated operation belong to the past. The truly amazing part however, is that these systems offer colour printing (at a resolution of 1,800 x 600 dpi equivalent), copying and scanning too. Your output will generate higher retention and project a more professional image by simply using the built-in colour capabilities. The Aficio™1224C/1232C will make your office a front runner in the emerging trend from black-and-white to colour. In a nutshell: connecting black to colour!



# All-in-one Digital Excellence

Why invest in a separate copier, printer, scanner and fax unit, when you can have them all in just one single digital system? Just imagine the time and money you save when one compact unit takes care of all your office work. The Aficio™1224C/1232C combine time-efficient functionalities with extra user-friendliness and top it all off with digital high-quality benefits.

## Time-saving and Budget-friendly Modularity

Printing, copying, faxing... tasks that take up quite some time, especially when the printer is not close to your desk, the copier is located in the hall and the fax is at the reception desk. What's more, stand-alone office equipment offers limited possibilities and the extra investment might unsettle your budget. The Aficio™1224C/1232C present the affordable alternative. By combining print, copy, fax and scan functionalities, these all-in-one systems are ideal to increase your office productivity. Additionally, the Aficio™1224C/1232C operate on a single set of consumables, avoiding the need for different supplies and guaranteeing a low Total Cost of Ownership.

## Maximum Office Productivity

Fast printing, copying and scanning is essential for the smooth running of your office workflow. The Aficio™1224C/1232C eliminate any unnecessary time wasting. Your first output is ready in seconds and printing/copying continues at exceptionally high speeds with equally fast duplexing. To further optimise your productivity, you can use the job pre-set function and already scan in originals when another job is still in progress. As soon as that job is finished, the systems will start copying so you can take care of other pending issues in the meantime.

## Digital Top Benefits

Whereas fast output is a necessity, optimal quality, reliability and original handling are just as important. The Aficio™1224C/1232C's output always lives up to the highest standards. Thanks to the systems' 600 dpi resolution and a variety of copy modes, professional quality is guaranteed. As your documents are scanned only once, stored into memory and reproduced from there, reduced image quality belongs to the past. This "Scan Once, Copy Many" principle also minimises the risk of damaged originals and reduces wear and tear on the scanner.

## Compact and Straightforward

Even with such a variety of capabilities, the Aficio™1224C/1232C remain compact and very easy to use. As these systems resemble regular black-and-white copiers, there is no need for you to learn new operation procedures. Whether you are printing, copying, faxing or scanning, all processes can be programmed using the systems' large touch screen. Machine settings and language choice are adjustable in the same way and maintenance is easily monitored. Furthermore, expanding and upgrading the Aficio™1224C/1232C with a print/scan and/or fax option is straightforward.



All printing, copying, faxing and scanning jobs can be easily programmed on the large touch screen.



The Aficio™1224C/1232C combine print, copy, fax and scan functionalities in one compact design for increased productivity.

Aficio™1224C/1232C
X = 1,167 mm
Y = 670 mm
Z = 1,181 mm



# Professional Document Creation

With excellent benefits ranging from easy operation over professional finishing and distribution to document management, the Aficio™1224C/1232C are the ideal all-in-one solutions for the general office. Thanks to innovative and versatile modular functionalities, any office environment is bound to gain from the systems' overall qualities.

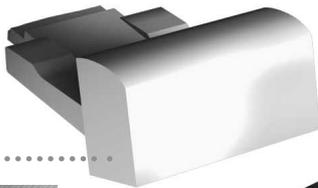
## Fast Document Feeding

Even the most complex jobs are easily handled with the Aficio™1224C/1232C's fast 50-sheet ARDF. Ideal for heavy workloads, it effortlessly scans multi-page documents for copying, faxing and scanning.



## Tray-less Auto Duplex

Auto-duplexing is an excellent way to reduce paper usage. The Aficio™1224C/1232C's tray-less auto duplex function operates fast and produces unlimited output in a single job.



## Versatile Finishing

The Aficio™1224C/1232C can be equipped with an optional 500/1,000-sheet finisher for professional finishing. Picking up your finished prints and copies is easy with the systems' different output possibilities.

## Quick and Easy Distribution

To facilitate easy handling in your small work-group, the Aficio™1224C/1232C come with an optional shift tray and electronic sorting function. No extra finisher is required and you are not limited by the number of sorter bins.



*The image on these pages is not a real photograph and slight differences in detail might appear.*



## Secure and Confidential Printing

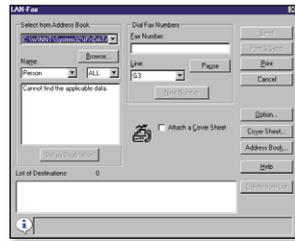
By means of Locked Print™, classified or personal print jobs will only be released after password confirmation at the control panel. In addition, you can use the Aficio™1224C/1232C's Sample Print™ function to avoid re-printing multiple sets. You print only the first set and verify the results before outputting the remaining sets.

## Colour Scan to E-mail

To optimise your workflow, scanned colour files can be sent as e-mail attachments straight from the operation panel. Worries about viruses are eliminated as the recipient immediately sees the sender's name and e-mail subject.

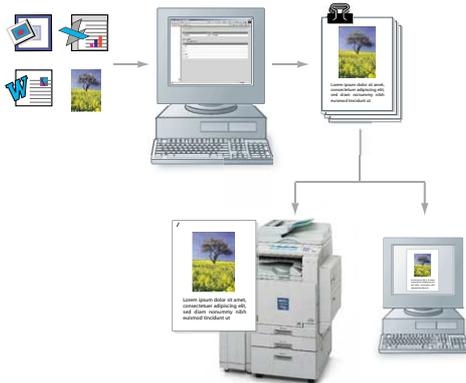
## Practical Operation

Modular and easy to operate: that is the Aficio™1224C/1232C's motto. The systems' large, self-explanatory LCD touch screen guides you intuitively through all print, copy, fax and scan functionalities.



## High-speed Faxing

With the Aficio™1224C/1232C's LAN-fax software you can transmit faxes directly from your own computer or any other networked PC. Via the optional ScanRouter™ V2 Professional software, incoming faxes can also be automatically re-routed to your PC.

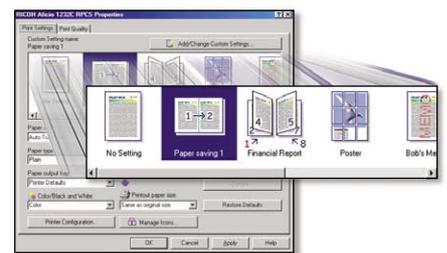


## Sophisticated Document Management

To digitise, store and manage all the information you receive, the Aficio™1224C/1232C come with ScanRouter™ V2 Lite and DeskTopBinder™ V2 Lite software. You can scan to PC or hard disk, combine documents in different formats and re-distribute stored information.

## User-friendly Printing

Thanks to RPCS™, printing with the Aficio™1224C/1232C is turned into a one-click process. You can save print settings and store them under your own icon. Typical print jobs have already been prepared under special icons.

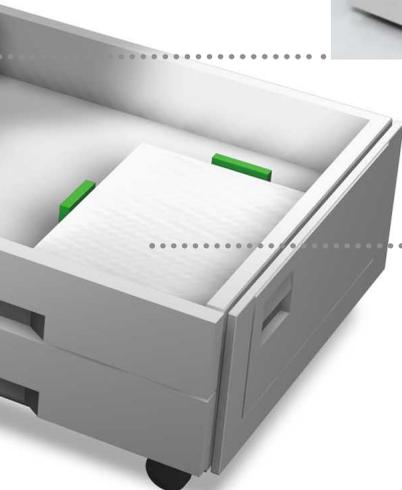


## Impressive Paper Capacity

With the Aficio™1224C/1232C's maximum paper capacity of 2,600 sheets, there is no need to waste time on frequently refilling the printer, copier and fax.

## Efficient Device Management

Via the Aficio™1224C/1232C's SmartNetMonitor™ software, both users and network administrators can easily monitor and check the device status from their desktop, manage any networked system and restrict usage if necessary.



# The Power of Colour

Business documents are undoubtedly among the most important communication tools used in workgroup office environments. Not only do they help you project a professional image, they are also vital when it comes to gaining a competitive edge. What if the use of colour could enhance the overall impact of your documents, guarantee higher comprehension and increase brand awareness at the same time? Let's have a closer look at why colour is on the rise in today's office environments.

## An Extra Communication Means

Typography, layout, paper choice: the traditional communication tools used to help get a message across in advertisements, presentations, forms, letters, folders and planning diagrams. Whereas these tools are effective, the use of colour is sure to add an extra dimension to your business documents. As an additional channel for transmitting information, colour increases involvement, engages the interest longer and persuades faster. More concrete: colour communicates 70% faster than black-and-white!\*

## Enhanced Comprehension

Imagine you need to summarise a lengthy report and only have a couple of minutes... Virtually impossible if the document is printed in black-and-white. Now do the same exercise with a report where certain passages are highlighted, the structure is made clear in colour and links between different parts of information are visualised: much easier! Especially when explaining difficult topics and making lengthy documents or contracts, the use of colour reduces visual search time, helps clarify complex ideas and serves to focus attention. In short: colour significantly increases comprehension.

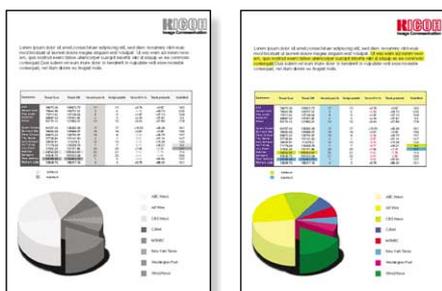
## Increased Brand Awareness

By using colour, a company demonstrates it means business. But that's not all. Whereas colour conveys a sense of professionalism, it can also be an important tool to project a successful corporate image and enhance brand awareness. To increase recognisability and image promotion, the use of colour is essential. As colour jogs the memory, it is the ideal way to reach customers and create a sound corporate image e.g. on business cards, stationary etc. Research has proven that brand identification is increased by 70% when colour is used.\* Just imagine the accompanying sales figures!

## Impact Guaranteed

A complex, lengthy black-and-white invoice compared to a well-structured one in colour? Needless to say that the use of colour in business documents such as these stimulates a reaction and enhances motivation. What's more, retention is much higher and the overall impact of your documents is significantly increased. Colour makes clients more eager to read proposals, fill in forms and even pay bills! By simply highlighting the amount owing and the due date in colour, a sense of urgency is added to your invoices. The result: a significant increase in your business' cash flow!

\* Color for Impact by Jan V. White



Colour can easily highlight and emphasise information for easier understanding.



By using colour in your business documents, you can project a successful corporate image and enhance brand awareness.



To add a sense of urgency to your invoices you can simply highlight the amount owing and the due date in colour.

# The Benefits of Colour... Also in your Office

It is clear: colour makes your business documents more professional and improves their overall impact. Now what would you say to an all-in-one office solution that offers innovative colour capabilities on top of its black-and-white functionalities? There is simply no better way to describe the Aficio™1224C/1232C: colour without compromising on black-and-white.

## Colour Made Affordable and Productive

Whereas colour is often still perceived as slow and expensive, the Aficio™1224C/1232C offer a fast and affordable alternative. Next to all the functionalities of a modular black-and-white system, you obtain the extra benefits of colour. Thanks to the systems' high output speeds in full-colour mode, your office productivity will soar and additional costs are kept at an absolute minimum.

## Convenient Colour Output

High-quality, professional colour output is guaranteed with the Aficio™1224C/1232C's 600 dpi resolution. For documents combining black-and-white and colour, you can use the auto colour sensing function. The system screens the document, automatically detects the black-and-white pages and prints these at black-and-white speed. As a result you maintain the same high productivity and save costs. For that extra professional touch, the Aficio™1224C/1232C offer various types of colour stamps such as the date, page number and 8 different preset stamps. You can even insert a customised stamp by scanning an image and programming it as user stamp. Additionally, instead of printing your faxes on coloured paper, simply print them in colour to easily distinguish between your faxes, copies and prints.

## Easy Colour Scanning

Scanning colour documents or non-standard originals is easy and straightforward with the Aficio™1224C/1232C. As special originals can be scanned directly from the platen glass, there is no need to copy them first. By scanning your (colour) documents, you additionally avoid piles of paper and overflowing filing cabinets.

## Efficient Document Storage and Management

The Aficio™1224C/1232C efficiently take care of both scanning and storage. Colour files are just as easy to scan, store and manage as black-and-white documents. Once they are scanned and stored, you can use the bundled DeskTopBinder™ V2 Lite software to view, re-print, re-fax or delete files on the document server.

## Effective Distribution Possibilities

A variety of distribution options put the final touch to the Aficio™1224C/1232C's document management capabilities. You can re-print, re-fax or digitally re-distribute any of the stored data. Scanned colour files can also be sent as e-mail attachments straight from the operation panel: it is just as easy as sending a fax. The recipient sees the sender's name and e-mail subject, eliminating worries about possible viruses. Furthermore, it is possible to set a maximum e-mail size\* if required. In case an e-mail exceeds the maximum size, it will be split.

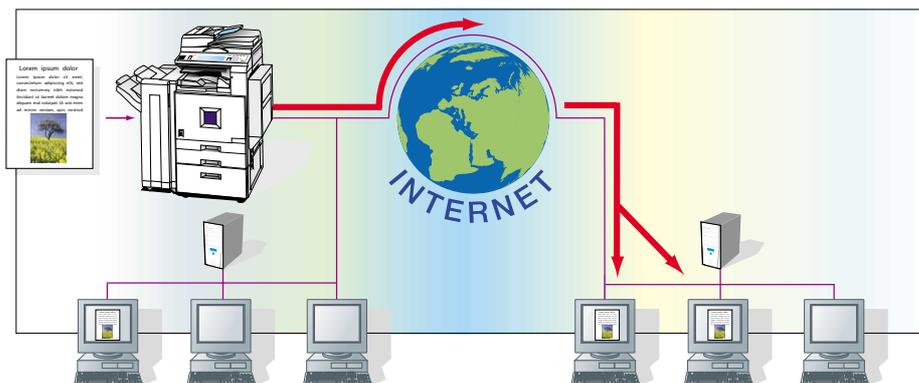
\* This function is supported when using e-mail software that can merge divided data, such as Microsoft® Outlook.



To easily distinguish between your print, copy and fax output, incoming faxes can be printed in a different colour.



The Aficio™1224C/1232C's colour stamp function enables you to mark your documents with the date, page number, company logo or any other stamp you choose.



Using the Aficio™1224C/1232C you can send scanned colour files as e-mail attachments directly from the operation panel.

# Aficio™ 1224C/1232C

## Specifications

### General

Configuration:	Desktop
Copying process:	Twin laser beam scanning & electro-photographic printing
Copy/print speed:	
Aficio™ 1224C:	
B/W / full colour:	24/8 pages per minute
Aficio™ 1232C:	
B/W / full colour:	32/10 pages per minute
Multiple copy:	Up to 100
First copy speed:	
B/W / full colour:	7.8/18 seconds
Warm-up time:	99 seconds
Resolution:	600 dpi
Memory:	
Standard:	128 MB
Hard Disk Drive:	40 GB
Option:	128/256 MB
Dimensions (W x D x H):	550 x 670 x 781 mm
Weight:	85 kg
Power source:	220 - 240 V, 50/60 Hz
Power consumption:	Maximum 1.44 kW/h

### Paper handling

Paper input capacity:	
Standard:	500 sheets
Maximum:	2,600 sheets
Paper size/weight:	A6 - A3 / 64 - 163 g/m <sup>2</sup> (A3+ via bypass)
Magnification ratios:	7 reductions 5 enlargements
Zoom:	25 - 400% (in 1% steps)

### Printer (option)

Printer language:	
Standard:	PCL5c, RPCS™
Option:	Adobe® PostScript® 3™
Resolution:	1,800 x 600 dpi equivalent
Interface:	
Standard:	Bi-directional IEEE 1284 Ethernet 10 base-T/100 base-TX
Option:	Wireless LAN (IEEE 802.11b) IEEE 1394

Memory:	
Minimum:	256 MB
Maximum:	384 MB
Network protocol:	TCP/IP, IPX/SPX, NetBEUI, AppleTalk
Drivers:	Windows® 95/98/Me/NT4.0/2000/XP Macintosh 8.6 or later (except for v10.0.x) (Adobe® PostScript® 3™)
Unix/Linux support	
SAP R/3 Custom Device Type	
NDPS Custom Gateway	
Mac OS X installer and PPD	
Tivoli NetView, CA Unicenter TNG and HP OpenView for SmartNetMonitor™	

### Scanner (option)

Resolution:	600 dpi/1,200 dpi (B/W)
Maximum original size:	A3
Output format:	PDF/JPEG/TIFF
Bundled drivers:	Network TWAIN
Scan to e-mail:	SMTP and TCP/IP required
Maximum destination addresses:	100
Maximum stored destination addresses:	2,000

### Fax (option)

Circuit:	PSTN, PBX, ISDN (option)
Compatibility:	ITU-T Super G3, additional Super G3 (option), G4 (option)
Resolution:	
Standard/detail:	200 x 100/200 dpi
Option:	400 x 400 dpi
Compression method:	MH, MR, MMR, JBIG (option)
Scanning speed:	Approximately 1.11 seconds (200 x 100 dpi, A4)
Modem speed:	
Standard:	Maximum 33.6 Kbps
Option:	64 Kbps (G4)
Memory capacity:	8/40 MB (option)
Memory backup:	1 hour

### Options

Internal options:	128/256 MB SDRAM DIMM IEEE 1394 interface Adobe® PostScript® 3™ Wireless LAN (IEEE 802.11b) Printer/scanner module Fax module
External options:	Platen cover Auto Reverse Document Feeder 2 x 500-sheet paper trays 2,000-sheet large capacity tray 100-sheet multi-bypass tray Tray-less auto duplex unit 500/1,000-sheet finisher One-bin tray Shift sort tray

### Software (bundled\*)

- SmartNetMonitor™
- DeskTopBinder™ V2 Lite
- ScanRouter™ V2 Lite

\* with printer/scanner option

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



Ricoh has determined that the multi-functional version of this product meets the ENERGY STAR guidelines for energy efficiency.

Ricoh believes in conserving the earth's precious natural resources.

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 this preliminary.

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