

# AP3800CMF

THE RICOH AFICIO AP3800CMF

THE RICOH

# color printer

## series

*copier,  
scanner,  
fax*



**Aficio®**

**RICOH®**



## Re-defining the **multi-functional solution** for the workgroup!

The AP3800CMF represents a breakthrough and changes the paradigm of office peripherals and their applications. Ricoh now delivers a multi-function device that does it all and keeps up with the frantic pace of today's business world.

It's a digital color copier, a network scanner, a facsimile and a printer all in one. Not only can it copy a variety of originals—ranging from two-sided documents to bulky books and full-color photographs—it outputs completely collated and finished documents you've come to expect from fully featured copiers. And at high speed—more than four times faster than comparable color copiers in its price range.

Performance is uncompromising on the AP3800CMF, with 38/28 ppm output (black & white/full color) for both printing and copying. Features like the Scan Once Print Many and RIP Once and Print Many on the AP3800CMF allow the engine to produce copies/prints at its full rated speed.

This versatility is also reflected in the AP3800CMF's ability to image on both sides of the sheet in printing or copying mode. Furthermore, document finishing is easily accessed so that prints or copies can be collated and stapled for immediate distribution.

The AP3800CMF is a true information hub for your workgroup, capable of receiving, storing, forwarding, and distributing color and black & white documents in whatever format suits your needs—whether via e-mail or facsimile.

The AP3800CMF has been engineered to meet the needs of 21st century businesses. Printing, copying, faxing, and scanning—at all at a price your organization can afford.

*Too many offices are cluttered with printers that do too little, copiers that cost too much, and fax machines that take up valuable space.*

*Now more than ever, you need a single system capable of satisfying all your document needs.*

*The solution is here:*

**The Ricoh Aficio AP3800CMF**

**RICOH®**

# The AP3800CMF — The single solution for document distribution and delivery



THE RICOH AFICIO

# AP3800CMF



## Copier

As a copier, the AP3800CMF produces an amazing **28 color** and **38 black & white copies per minute**. Originals as large as **11" x 17"** can be scanned and, when configured with the optional ARDF, the AP3800CMF can copy up to 80 pages—front and back automatically. Combined with the optional finisher, the AP3800CMF can provide the final touches on documents so that they have that professional appearance, ready for distribution.

## Scanner

Organizing, annotating, and distributing your documents can be a simple process once they're digital. With the AP3800CMF's ability to **scan up to 600 dpi and 8 bits/pixel**, you can digitize a wide range of originals, including books, documents, line drawings and color images, with the ability to route the digital files to virtually anyone on the network. All popular file formats are supported, including PDF, TIFF, and JPEG. Why be tied to paper documents and archaic methods of storage when the AP3800CMF can bring your office into a new age of document management and communication?

## Printer

The AP3800CMF comes with all the printing capabilities found on the AP3800C, including **1200 dpi resolution, 28 ppm in color, 38 ppm in black & white**, as well as PCL 5c emulation, genuine Adobe PostScript 3 and Ricoh's new RPCS print drivers. Of course, automatic duplex printing and optional document finishing can be accessed through any of the print drivers.

## Fax

The AP3800CMF can be outfitted with a fax option that further increases versatility and functionality. The standard fax option supports G3, but users can upgrade to G4, which supports up to 64k bps transmission rates. The AP3800CMF fax option delivers other fax capabilities like group dialing, page stamping, and quick dialing. In addition to providing all the features you've come to expect in a dedicated facsimile machine, the AP3800CMF **enables everyone on the network to send and receive faxes** without leaving their desk.

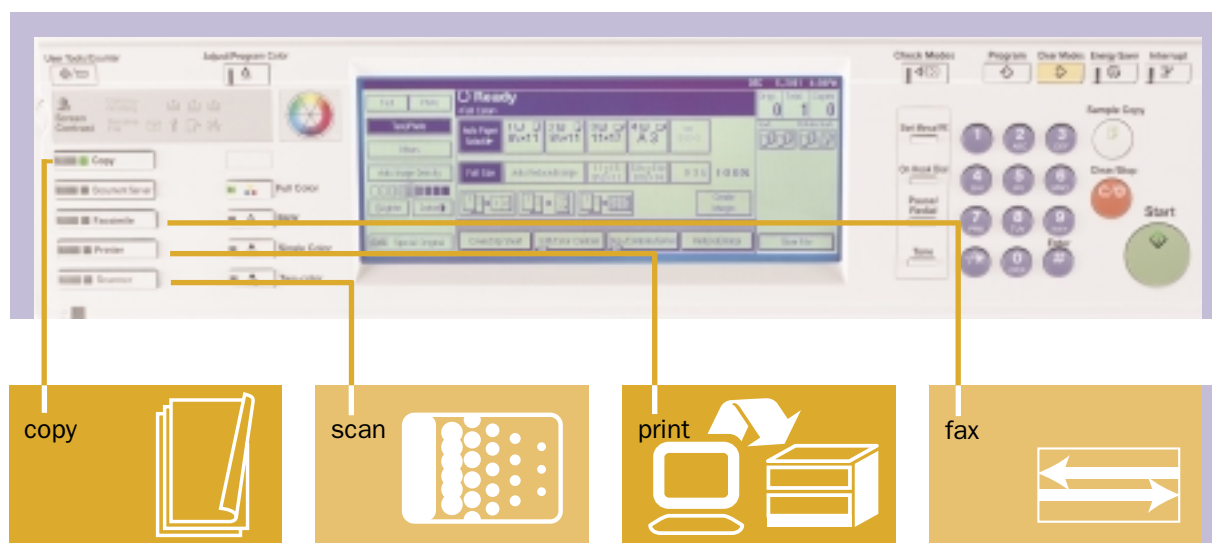
## Document Server

With the AP3800CMF, there is more to it than meets the eye. As a document server, the AP3800CMF offers you the **ability to re-purpose documents**. All documents—whether faxed or copied on the AP3800CMF—are stored digitally on the system's 40 GB hard disk drive. You can then re-output, re-fax, or re-distribute these documents as many times as necessary.

functionality

performance

versatility



*The AP3800CMF comes standard with Ricoh's DeskTopBinder Lite, ScanRouter Lite, Job Binder, and SmartNetMonitor, powerful utilities that provide you with complete document management control.*

**DeskTopBinder Lite** allows you to view documents stored on the AP3800CMF hard disk drive and re-purpose them. The optional upgrade to **DeskTopBinder Pro** includes OCR capabilities and the ability to view pages, regardless of the source application.

**Job Binder** is a unique feature within the Ricoh RPCS print driver. It enables you to select specific pages from multiple documents, regardless of the application, and print them as one document, complete with new page numbering, titles, headers and footers. Job Binder also enables you to apply duplex printing and any available finishing features like stapling or hole punching.

**ScanRouter Lite** is the utility that turns the AP3800CMF into a network scanner. Hardcopy pages are digitized into popular file formats such as PDF, TIFF, and JPEG and then distributed to a client desktop. For more extensive distribution alternatives, Ricoh offers **ScanRouter Pro**, an optional dedicated server configuration, which enables scanned files to be distributed via e-mail beyond the immediate network segment. ScanRouter Pro also enables you to have inbound faxes redirected to an email address or server as a PDF or TIFF attachment. DeskTopBinder Pro is included with ScanRouter Pro.

**SmartNetMonitor** is Ricoh's peripheral monitoring and management utility. It provides a constant update of the default printer's status, whether it is available or busy with another print job. SmartNetMonitor also features Recovery Printing, so if the primary printer is unavailable, a print job can be automatically redirected to another Ricoh printer on the network to ensure output. Or if you have multiple sets of a document, the Parallel Printing feature enables you print multiple sets of a document using two or more Ricoh printers in tandem for greater productivity and use of the printing resources on the network.

# THE RICOH AFICIO AP3800CMF

## General Specifications (EDP 400825)

### Copy Function

|                               |                                                                                                                                                                       |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Process:</b>               | Laser beam scanning, electro-photographic printing and dual component toner development                                                                               |
| <b>Originals:</b>             | Sheet / Book / Object                                                                                                                                                 |
| <b>Scanning Area:</b>         | Max. 11" x 17"                                                                                                                                                        |
| <b>Resolution:</b>            | Input: 600 dpi / 8 bits<br>Output: 600 dpi / 2 bits                                                                                                                   |
| <b>Gradation:</b>             | 256 gradations                                                                                                                                                        |
| <b>Copy Size:</b>             | Max. 11" x 17" (full-bleed on 12" x 18")                                                                                                                              |
| <b>Paper Sizes:</b>           | Standard Trays: 8.5" x 11", 8.5" x 14", 11" x 17", 7.25" x 10.5", 8" x 13", 8.25" x 13", 8.5" x 13", A5, A4, A3<br>Bypass Tray: Width 4.0" to 12"; Length 5.8" to 18" |
| <b>Warm-Up Time:</b>          | Less than 120 seconds                                                                                                                                                 |
| <b>First Copy Speed:</b>      | Monochrome: 8 sec. (Letter-size, 1st Tray)<br>Color: 10 sec. (Letter-size, 1st Tray)                                                                                  |
| <b>Copy Speed:</b>            | Normal Mode (600 x 600 dpi)<br>38 cpm (b/w), 28 cpm (full color)<br>OHP/Thick Paper Mode<br>10 cpm (b/w), 10 cpm (full color)                                         |
| <b>Multiple Copying:</b>      | Up to 99                                                                                                                                                              |
| <b>Input Paper Capacity:</b>  | 100-sheet Bypass Tray<br>500-sheet Paper Tray x 3                                                                                                                     |
| <b>Output Paper Capacity:</b> | Standard: 500 sheets plus 100 sheet Face-up Tray<br>Optional Multi-bin: 350 sheets<br>Optional Finisher: 2,500 sheets                                                 |
| <b>Paper Weight:</b>          | Trays: 16 to 28 lb. bond<br>Bypass Tray: 16 lb. bond to 90 lb. index                                                                                                  |
| <b>Paper Type:</b>            | Plain paper, laser printer qualified transparencies, cardstock, labels                                                                                                |
| <b>Reproduction Ratios:</b>   | 6 Reductions, 5 enlargements (400%, 200%, 155%, 129%, 121%, 100%, 85%, 78%, 73%, 65%, 50%, 25%)                                                                       |
| <b>Zoom:</b>                  | From 25% to 400% in 1% Steps                                                                                                                                          |
| <b>Auto Duplex Copy:</b>      | Standard                                                                                                                                                              |
| <b>Duty Cycle:</b>            | 200,000                                                                                                                                                               |
| <b>Memory:</b>                | 192 MB RAM; 384 MB max.                                                                                                                                               |
| <b>Memory Type:</b>           | 144 pin DIMM; SDRAM (PC100 compliant)                                                                                                                                 |
| <b>Hard Disk Drive:</b>       | 40 GB                                                                                                                                                                 |

### Advanced Copy Features

|                                  |                                                                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Color Selections:</b>         | Full Color; Black & White; Single Color; Twin Color                                                                                                                                |
| <b>Single Color:</b>             | Preset Color Pallet: 12 colors with 4 levels of density selection<br>User Color Memory: 15 colors                                                                                  |
| <b>Twin Color:</b>               | Black + One Single Color<br>Black + Red                                                                                                                                            |
| <b>Original Selection:</b>       | Auto Text and Photo Separation Mode; Photo Mode (includes selection of Press Print, Glossy Photo, or 2nd Generation Modes); Text Mode; Map Mode; Second Generation Mode; Pale Mode |
| <b>Image Density Adjustment:</b> | Auto/Manual (9 steps)                                                                                                                                                              |
| <b>Reduce/Enlarge:</b>           | Auto Magnification Selection; Directional Magnification                                                                                                                            |
| <b>Image Rotation:</b>           | 90° rotation                                                                                                                                                                       |
| <b>Shift/Erase Image:</b>        | Centering; Margin Adjustment; Erasing Center; Erasing Border; Erasing Center / Border                                                                                              |
| <b>OHP Slip Sheet:</b>           | Yes                                                                                                                                                                                |
| <b>Image Color Adjustment:</b>   | Auto Color Calibration; Color Balance; Color Separation; Sharp/Soft; Contrast; Background Density Control; UCR; Auto Text and Photo Separation                                     |
| <b>Proof Copy:</b>               | Yes                                                                                                                                                                                |
| <b>Operation Panel:</b>          | Monochrome LCD                                                                                                                                                                     |

### Scanning Features

|                              |                                            |
|------------------------------|--------------------------------------------|
| <b>Resolution:</b>           | Up to 600 dpi (default setting at 200 dpi) |
| <b>First Scanning Speed:</b> | Less than 6 seconds                        |
| <b>Drivers:</b>              | Network Twain version 1.7 or later         |
| <b>Scanning Utility:</b>     | ScanRouter Lite                            |

### Printer Features

|                            |                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CPU:</b>                | RM7000 300MHz                                                                                                                                             |
| <b>Printer Languages:</b>  | PCL 5c emulation, Adobe PostScript 3, Ricoh RPCS                                                                                                          |
| <b>Resolution:</b>         | True 1,200 x 1,200 dpi; 1,200 x 600 dpi; 600 x 600 dpi                                                                                                    |
| <b>Fonts:</b>              | For PCL - 35 Intellifonts, 10 TrueType Fonts, 1 Bitmap Font<br>For PS - 136 Adobe Type 1 Fonts                                                            |
| <b>Interface:</b>          | 10/100 BaseTX Ethernet and Bi-directional IEEE 1284-compliant parallel                                                                                    |
| <b>Optional Interface:</b> | IEEE 1394                                                                                                                                                 |
| <b>Network Protocols:</b>  | TCP/IP, IPX/SPX (NetWare 3.x, 4.x, 5.x), EtherTalk, NetBEUI, and IPP (Internet Printing Protocol)                                                         |
| <b>Utilities:</b>          | DeskTopBinder Lite, SmartNetMonitor                                                                                                                       |
| <b>Drivers:</b>            | PCL5c: Win 95 / 98 / Me / NT4.0 / 2000 / XP<br>PS: Win 95 / 98 / Me / NT4.0 / 2000 / XP, Mac 7.6.1 or later<br>RPCS: Win 95 / 98 / Me / NT4.0 / 2000 / XP |

### Physical Specifications

|                                |                       |
|--------------------------------|-----------------------|
| <b>Dimensions (W x D x H):</b> | 28.8" x 30.4" x 51.3" |
| <b>Weight:</b>                 | 271.1 lbs.            |
| <b>Power Requirements:</b>     | 120V 12A, 60Hz        |
| <b>Power Consumption:</b>      | 1,440W or less        |

## Optional Accessories

### Type 3800C Facsimile (EDP 400557)

|                              |                                                |
|------------------------------|------------------------------------------------|
| <b>Type:</b>                 | G3 Transceiver                                 |
| <b>Optional Second Line:</b> | G3 (EDP 400560)<br>G4 (EDP 400562)             |
| <b>Circuit:</b>              | PSTN, PBX, optional ISDN                       |
| <b>Resolution:</b>           | 200 x 200 dpi; 200 x 100 dpi                   |
| <b>Scanning Speed:</b>       | approx. 0.7 seconds/page                       |
| <b>Modem Speed:</b>          | 33,600 bps - 2,400 bps with automatic shutdown |
| <b>Transmission Speed:</b>   | 3.0 seconds                                    |
| <b>Compression Method:</b>   | MH / MR / MMR (JBIG optional)                  |
| <b>SAF Memory:</b>           | 2 MB; Optional 32 MB                           |

### Automatic Reversing Document Feeder DF73 (EDP 400554)

|                         |                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Original Size:</b>   | 8.5" x 11" to 11" x 17"                                                                                                                                                   |
| <b>Original Weight:</b> | 16 to 32 lb.                                                                                                                                                              |
| <b>Stack Capacity:</b>  | 80 sheets (20 lb. bond)                                                                                                                                                   |
| <b>Speed:</b>           | Scanning: 30 spm monochrome; 20 spm full color with HDD at 200 dpi Copying:<br>38 spm monochrome; 28 spm full color<br>Note: Either ARDF or Platen Cover must be selected |

### Platen Cover Type 3800C (EDP 400571)

Note: Either ARDF or Platen Cover must be selected

### PT460 Multi-bin (EDP 400568)

|                        |                                                                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Number of bins:</b> | 2                                                                                                                                                                                            |
| <b>Paper Size:</b>     | 5.5" x 8.5" to 11" x 17"                                                                                                                                                                     |
| <b>Paper Weight:</b>   | 16 to 28 lb.                                                                                                                                                                                 |
| <b>Stack Capacity:</b> | Tray 1 100 sheets 20 lb. bond<br>Tray 2 250 sheets 20 lb. bond (8.5" x 11")<br>100 sheets 20 lb. bond (8.5" x 14"/11" x 17")<br>Note: Cannot be installed simultaneously with SR770 Finisher |

### SR770 Finisher (EDP 400542)

|                             |                                                                                                                                                                                                                          |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Upper Tray</b>           | Paper Sizes: 8.5" x 11" to 11" x 17"<br>Paper Weight: 16 to 28 lb. bond<br>Stack Capacity: 500 sheets (8.5" x 11")<br>250 sheets (8.5" x 14"/11" x 17")<br>Note: Cannot be installed simultaneously with PT460 Multi-bin |
| <b>Lower Tray</b>           | Paper Sizes: 8.5" x 11" to 11" x 17"<br>Paper Weight: 16 to 28 lb. bond<br>Stack Capacity: 2,000 sheets (5.5" x 8.5" to 8.5" x 11")<br>750 sheets (11" x 17")                                                            |
| <b>Staple Capacity:</b>     | 50 sheets (8.5" x 11", 20 lb. or 30 sheets (11" x 17", 20 lb.)                                                                                                                                                           |
| <b>Staple Paper Size:</b>   | 8.5" x 11", 8.5" x 14", 11" x 17"                                                                                                                                                                                        |
| <b>Staple Paper Weight:</b> | 17 to 23 lb. bond                                                                                                                                                                                                        |
| <b>Number of Staples:</b>   | 5,000/cartridge                                                                                                                                                                                                          |

### Punch Kit Type 1045 (EDP 410785)

|                         |                                                                         |
|-------------------------|-------------------------------------------------------------------------|
| <b>Number of Holes:</b> | Two or Three                                                            |
| <b>Paper Size:</b>      | 8.5" x 11", 11" x 17", A4, A3                                           |
| <b>Paper Weights:</b>   | 16 to 28 lb. bond<br>Note: Punch is compatible with SR770 Finisher only |

### IEEE 1394 Interface Board Type 1045 (EDP 410716)

|                                 |                                                                                              |
|---------------------------------|----------------------------------------------------------------------------------------------|
| <b>Included Cables:</b>         | 2.0m 6pin to 6pin cable, 2.0m 6pin to 4pin cable                                             |
| <b>Hardware Specifications:</b> | 6pins; 2 ports available                                                                     |
| <b>Data Transmission Speed:</b> | 100/200/400 Mbps                                                                             |
| <b>System Requirements:</b>     | Windows 2000 Professional / Server with Service Pack 1<br>Minimum 128 MB memory is required. |

### Memory Options:

|                                                |
|------------------------------------------------|
| 144-pin DIMM; SDRAM (PC100 compliant)          |
| 128 MB (EDP 001025MIU), 256 MB (EDP 001103MIU) |

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

|                                                        |
|--------------------------------------------------------|
| Black Toner (EDP 888030) @ Approx. 20,000 pages        |
| Cyan Toner (EDP888037) @ Approx. 10,000 pages          |
| Magenta Toner (EDP 888036) @ Approx. 10,000 pages      |
| Yellow Toner (EDP 888035) @ Approx. 10,000 pages       |
| Black Image Drum (EDP 400548)                          |
| Color Image Drums (EDP 400594)                         |
| Black Development Unit (EDP 400661)                    |
| Color Development Units (EDP 400595)                   |
| Waste Toner Bottle (EDP 400662)                        |
| Fusing Unit (EDP 400596)                               |
| Oil Supply Unit (EDP 400549)                           |
| Paper Feed Rollers (EDP 400576)                        |
| Staple Set Cartridge Type K (EDP 410801) @ 5,000 shots |
| Staple Refills Type K (EDP 410802) @ 5,000 x 3 shots   |

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



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.

Printed in U.S.A. on recycled paper because Ricoh Cares

Windows® and Windows® 3.1/95/98/Me/NT4.0/2000/XP are registered trademarks of Microsoft Corporation. Macintosh®, Mac OS and AppleTalk® are registered trademarks of Apple Computer, Inc. Adobe® and PostScript® are trademarks of Adobe Systems, Inc. PCL® is a registered trademark of Hewlett-Packard Company. Ricoh® and Aficio® are registered trademarks of Ricoh Company, Ltd. RPCS™ is a trademark of Ricoh Company, Ltd. All other trademarks are the property of their respective owners.

# RICOH®

## Image Communication

Ricoh Corporation, Five Dedrick Place, West Caldwell, NJ 07006  
Phone: (973) 882-2000 • Website: <http://www.ricoh-usa.com>

PA-0201