

CL7000CMF

THE RICOH AFICIO CL7000CMF

THE RICOH

color printer series

*copier,
scanner,
fax*



Aficio[®]

RICOH[®]



The RICOH Aficio CL7000CMF

Tired of having different office equipment for every task you need to get done? The CL7000CMF is your solution. It's a digital color copier, high-resolution scanner, network color printer, and document manager with scanning and faxing capability – all in one. And its multi-functions are seamlessly integrated into a compact and cost-effective unit. One system, one answer.

The high-speed color system outputs such exceptional quality, giving you brilliant color and exquisite detail every time. And it is so fast, that it virtually eliminates waiting for your job.

Need to digitize paper-based documents? Not only does the CL7000CMF offer multiple resolutions for different applications, it stores documents to its hard drive and will forward them to colleagues on the network so you can work together more efficiently.

There's more than one side to every story. That's why the CL7000CMF copies and prints in duplex mode just as easily as it does with simplex documents. Just drop your documents into the 80-sheet document feeder and pick up fully finished — collated, sorted, stapled and hole punched — documents ready for distribution.

Sharing information with co-workers, customers, and business partners requires flexibility. Fortunately, the CL7000CMF lets you communicate in many formats. Mix and match prints, copies, and scanned documents — and send them out in whatever format you need.

Print. Scan. Copy. E-mail. Fax.
Today's world of business
communications is
overwhelming ...
how can you manage it all?

One System, One Answer

Robust and Versatile Network Printing.



Optional 2-bin
Sorter

500-Sheet
Offset Stacking

Optional
SR770
Finisher

Automatic
Duplex
Unit

Automatic Reversing
Document Feeder

2,000-Sheet Stapling
Optional Punching



100-Sheet
Bypass Tray

500-Sheets
x 3 Trays

Top Speed & High Quality

Printing 28 ppm color & 38 ppm black & white, the CL7000CMF doesn't make you wait. And duplex printing has virtually no impact on throughput. Its optimized 500 MHz processor delivers first-print-out times of 12 and 9 seconds respectively, and with output at a true resolution of 1,200 x 1,200 dpi you always get ultra-smooth gradations along with razor-sharp text and line-art.

Versatile Connectivity

Sharing a network printer has never been easier than with the CL7000CMF. Starting with the Parallel Port and Standard 10/100 BaseTX connectivity the CL7000CMF can be up and running virtually out of the box. Need the capability to print on the run? Add on one of our optional interfaces or use the Internet Printing Protocol (IPP) to print your job remotely. Whatever your need the CL7000CMF offers the solution.

Choose from one of three printer drivers to fit your working environment. Use the Adobe PostScript 3 printer

driver or the PCL5c emulation printer driver to suit various operating systems. Or install the Ricoh Refined Printing Command Stream (RPCS) printer driver to be able to configure all output and finishing options with a single mouse click.

No job is too big or small. Use the Ricoh RPCS printer driver's "tiling" capability to automatically enlarge your document and print it on up to nine sheets. Or make banners as large as 12"x49" through the bypass tray. And for all of your digital camera applications the CL7000CMF is your ideal solution. Using the RPCS printer driver it will automatically adjust over or under exposed photos so you get top quality at all times.

Advanced features

With "Sample Print" you'll never waste paper. Review the first copy before printing the remaining sets. And, confidential information will always stay that way with "Locked Print" where users must key in a PIN at the CL7000CMF operation panel to output their document.

Powerful Scanning & Document Management

The business world is getting more and more digital, yet there's still quite a bit of important information that resides on paper. The CL7000CMF's scanning capability converts these documents to digital format so you can integrate them with other files or share them with colleagues.

The CL7000CMF's scanning utility suite provides three levels of solutions:

Document Server

Share your hard-copy documents with the whole office by storing them to the system's hard disk in standard file formats such as TIFF, JPEG, and PDF. And use Ricoh's DeskTopBinder Lite / ScanRouter Lite utilities to incorporate them into new documents created with common applications such as Word and Excel. Even better, with the optional DeskTopBinder Pro, you can use OCR to convert them to Word or text formats for editing.

Color Scanning

With a resolution of 600 dpi and 8 bits/pixel, you'll capture all the rich colors and detail in your photographs and artwork. It uses the industry-standard TWAIN interface for Windows and integrates seamlessly with applications such as Adobe Photoshop® so you can bring your images into brochures, fliers and newsletters.

Enhanced Utilities

High-volume users have even more scanning options:

- ScanRouter Pro enables you to e-mail scans to colleagues directly from the operation panel of the CL7000CMF.
- GlobalScan, an enterprise-level document delivery system, offers more flexibility in designating destinations with LDAP compliance.
- DocumentMall enables you to share documents and collaborate with colleagues, customers, and partners regardless of where they are – and it requires no capital investment at all.

Full-Featured Faxing

Transform your CL7000CMF into a total communications hub with optional faxing.

It's convenient

Eliminate the need to print a hard copy for faxing by sending documents directly from your desktop. Or for paper-based faxes, the CL7000CMF processes up to 18 pages per minute and accommodates double-sided originals through the document feeder.

Everything you need

No dedicated peripheral is needed, yet the CL7000CMF retains all the features and functionality of a high-end fax. It supports up to two lines—including an ISDN line—so you can send and receive faxes simultaneously. With Group Dialing, you can send faxes to up to 64 groups with one keystroke, and you can store up to 400 numbers with Quick Dial. Of course, the system supports user codes, date/time stamping, and has one hour of backup memory.

Save money

The CL7000CMF fax features a scanning time of 0.7 seconds per page and 3 seconds transmission time to minimize your telephone bills.



Single Pass Printing System



Toner Cartridges

Imaging Drums

Development Units

The CL7000CMF's tandem drum printing system prints each color successively in a single pass. This will optimize throughput and increase full-color printing speed dramatically.



copy



scan



print



fax



High Speed Digital Copying

Color Your World

The CL7000CMF is designed to handle the type of communication you deal with every day. That means color. And black & white. At blazing speeds of 28/38 cpm, respectively. You have total control over that color, too. Convert a full-color document to two colors to save on toner. Or to black & white. Punch it up by converting it to your own custom color. It's all up to you.

Quality Every Day

With Ricoh's digital technology comes quality. The CL7000CMF features automatic color calibration so you get the same vibrant colors day in and day out. It optimizes reproduction on every original—whether text, photos, mixed documents, or even copies.

Again and Again

The Scan Once/Copy Many capability is not only consistent, but it's efficient, too. Large-sized originals? Books? No problem. The CL7000CMF handles originals as large as 11"x17"/A3 or even bulky objects. The same for two-sided originals.

The Finishing Touches

Perfect copying requires more than an output tray, so your CL7000CMF can be configured with several finishing options. Use a 2-bin sorter that holds up to 350 sheets to keep everyone in your workgroup organized. Or for more advanced finishing, consider the 2,500 sheet Finisher, which sorts, staples—and, optionally, punches.

Advanced Features

The CL7000CMF has virtually all of the image editing features found on dedicated copiers, including sample and proof copying, automatic scaling, directional zoom, center, and edge/border erase. Users can choose from 12 preset colors or create up to 15 custom colors for their copies.



THE RICOH AFICIO

CL7000CMF

General Specifications

Technology:	Laser beam scanning, electro-photographic printing and dual-component toner development
Copy/Print Speed:	Plain Paper (8.5" x 11"/A4): 28 ppm full-color, 38 ppm black & white Thick Papers/Transparencies: 10 ppm full-color or black & white (1,200x600 or 600x600 dpi when printing)
Paper Input Capacity:	500-sheet Paper Tray x 3, 100-sheet Bypass Tray, 1,600 sheets total capacity
Paper Input Sizes:	Trays: 8.5" x 11", 8.5" x 14", 11" x 17", 7.25" x 10.5", 8" x 13", 8.5" x 13", 8.25" x 13", A5, A4, A3
Bypass Tray:	Width 3.5" to 12" (90 to 305 mm); Length 5.8" to 18" (148 to 457 mm) PCUPS; 5.8" to 49" (148 to 1260 mm) RPCS
Paper Weights:	Trays: 16 to 28 lb. Bond (60 – 105 g/m ²) Bypass Tray: 16 lb. Bond to 90 lb. Index (60 – 163 g/m ²)
Paper Types:	Plain paper, laser-printer qualified transparencies*, card stock*, labels* (*Bypass Tray and Face-Up Output Tray only)
Paper Output Capacity:	Standard: 500 sheets, plus 100-sheet face-up output tray; Optional 2-Bin Sorter: 350 sheets; Optional Finisher: 2,500 sheets; Maximum Output Capacity: 3,100 sheets with Finisher
Auto Duplex:	Standard
Document Feeder:	Standard: Automatic reversing, Stack Capacity: 80 sheets (20 lb. Bond / 75 g/m ²) Speed when copying: 38 spm B&W; 28 spm full-color; Speed when scanning: 30 spm B&W (200 dpi, 1 bit); 25 spm full-color (200 dpi)
Duty Cycle:	200,000 pages per month
Memory:	192 MB standard; 384 MB Maximum
Memory Options:	144-pin DIMM; SDRAM (PC-133 Compliant) 128MB (Part #001179MIU); 256MB (Part #001180MIU)
Hard Disk Drive:	Standard
Warm Up Time:	101 seconds
Dimensions (WxDxH):	28.8" x 30.4" x 54.0" (730x770x1,370 mm)
Weight:	371 lb. (168 kg)
Power Consumption:	1,440 watts or less (with optional Finisher); Energy Saver mode: 45 watts or less
Power Requirements:	120V, 12A, 60 Hz

Copy Features

Originals:	Sheet/Book/Object
Copying Resolution:	Input 600x600 dpi / 2 bits
Gradients:	256 gradations
Copy Size:	11" x 17" / A3 maximum
First Copy Speed:	10 seconds or less, full-color; 8 seconds or less, black & white
Multiple Copying:	Up to 99 copies
Reproduction Ratios:	6 Reductions, 5 Enlargements (25%, 50%, 65%, 73%, 78%, 85%, 100%, 121%, 129%, 155%, 200%, 400%)
Zoom:	25% - 400% in 1% increments
Color Selections:	Full-Color, Black & White, Twin Color, Single Color
Single Color:	Preset Color Palette: 12 colors with 4 levels of Density, User Colors: 15 colors
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 mode (*includes Press Print, Glossy Photo, or Second Generation modes)
Image Density Adjustment:	Auto / Manual (9 steps)
Reduce/Enlarge:	Auto Magnification Selection; Directional Magnification
Image Rotation:	90° rotation
Shift/Erase Image:	Centering; Margin Adjustment; Erase Center; Erase Border; Erase Center/Border
Transparency Slip Mode:	Available
Image Color Adjustment:	Auto Color Calibration; Auto Color Balance; Color Separation; Background Density Control; UCR; Auto Text and Photo Separation
Proof Copy:	Available
Operation Panel:	Monochrome LCD
Coin Box Interface:	Available for the connection to optional Debiting/Vend Tower (coin, bill, card)

Printer Features

CPU:	RM7000 500MHz
Printer Languages:	Adobe PostScript 3, PCL5c emulation, Ricoh RPCS
Resolution:	True 1,200x1,200 dpi, 1,200x600 dpi, 600x600 dpi (default)
First Print Speed:	Less than 12 seconds full-color; less than 9 seconds black & white
Fonts:	Adobe PostScript 3: 136 Type 1 fonts, PCL5c emulation: 35 Intellifonts, 10 TrueType fonts, 1 Bitmap font
Interfaces:	10/100 BaseTX Ethernet, Bi-directional IEEE 1284-compliant parallel
Optional Interfaces*:	USB 1.1 / 2.0, IEEE 1394, IEEE 802.11b wireless LAN, Bluetooth wireless *Note: Only one additional interface can be installed. Ethernet and IEEE 802.11b cannot be used simultaneously.
Network Protocols:	TCP/IP, IPX/SPX (Network 3.x, 4.x, 5.x), AppleTalk, IPP, NetBEUI* (*with SmartNetMonitor utility)
Other Supported Networks:	UNIX (lpr/lpd): Sun Solaris 2.6/7/8, HP-UX 10/11, SCO Open Server 5, IBM AIX V4.3/5L V5.1, Red Hat Linux 6x, 7x
Management Utilities:	SmartNetMonitor, Web SmartNetMonitor, Printer Utility for Macintosh User Account Management (Printing usage can be monitored, and users accessing color printing can be restricted from SmartNetMonitor).
Drivers:	RPCS: Windows 95 / 98 / Me / NT4.0 / 2000 / XP; Adobe PostScript 3: Windows 95 / 98 / Me / NT4.0 / 2000 / XP, Mac OS 8.6 or later, Mac OS X (native), UNIX; PCL5c emulation: Windows 95 / 98 / Me / NT4.0 / 2000 / XP



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



Image Communication

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Scanning Features

Resolution:	Standard 200 dpi; Up to 600 dpi* (*Memory upgrade required)
Gray Scale:	1 bit or 8 bits / pixel
First Scanning Speed:	Less than 6 seconds (200 dpi / 1 bit)
Driver:	Network TWAIN v1.7 or later for Windows
Scanning Utility:	ScanRouter Lite: Standard; ScanRouter Pro: Optional (supporting scan to e-mail)

Fax Features (Optional: Part #400557)

Type:	G3 Transceiver
Optional Second Line:	G3 (Part #400560); ISDN G4 (Part #400562)
Max. Transmission Speed:	3.0 seconds
Modem Speed:	33,600 bps to 2,400 bps with auto fallback
Data Compression:	MH, MMR; JBIG optional (Part #410284)
Fax Document Memory:	2 MB; Optional 32 MB (Part #000828MIU)
Scan Resolution:	G3: 200x200 dpi, 200x100 dpi; G4: 400x400 dpi
Auto Dials:	64 Group Dials; 400 Quick Dials
Handset:	Optional (Part #410781)
LAN Fax:	Available for Windows

Solutions

Standard:	DeskTopBinder V2 Lite, ScanRouter V2 Lite
Options:	DeskTopBinder V2 Pro, ScanRouter V2 Pro, GlobalScan, DocumentMall, Printer Cost and Security Manager

Paper Handling Options Note: 2-Bin Sorter and Finisher cannot be installed simultaneously

2-Bin Sorter P1460 (Part #400568)	
Number of bins:	2
Paper Sizes:	5.5" x 8.5" to 11" x 17" (A5 - A3)
Paper Weights:	16 to 28 lb. Bond (60 – 105 g/m ²)
Stack Capacity:	Tray 1: 100 sheets (20 lb. Bond 8.5" x 11") Tray 2: 250 sheets (20 lb. Bond 8.5" x 11"), 100 sheets (20 lb. Bond 8.5" x 14" or 11" x 17")

Finisher SR770 (Part #400542/#402017)	
Upper Tray:	Paper Sizes: 8.5" x 11" to 11" x 17"; Paper Weight: 16 to 28 lb. Bond (60 to 105 g/m ²), Stack Capacity: 500 sheets (20 lb. Bond 8.5" x 11"), 100 sheets (20 lb. Bond 8.5" x 14" or 11" x 17")
Lower Tray:	Paper Sizes: 8.5" x 11" to 11" x 17"; Paper Weight: 16 to 28 lb. Bond (60 to 105 g/m ²), Stack Capacity: 2,000 sheets (20 lb. Bond 8.5" x 11"), 750 sheets (20 lb. Bond 8.5" x 14" or 11" x 17")

Staple Capacity:	50 sheets (20 lb. Bond 8.5" x 11"), 30 sheets (20 lb. Bond 8.5" x 14" or 11" x 17")
Staple Paper Size:	8.5" x 11", 8.5" x 14", 11" x 17", A4, A3
Staple Paper Weight:	17 to 34 lb. Bond (64 – 125 g/m ²)
Number of Staples:	5,000 / cartridge
Hole Punch:	Optional (Part #410785) 2 or 3 holes, Paper Supported: 8.5" x 11", 11" x 17", A3, A4; 16 to 28 lb. Bond (60 – 105 g/m ²)

Interface Options: *Note: Only one optional interface can be installed.

USB 1.1/2.0 Interface Board Type A (Part #411237)	
IEEE 1394 Interface Board Type 4510 (Part #400745)	
Hardware Specifications:	6 pins; 2 ports available
Data Transmission Speeds:	400 Mbps, 200 Mbps, 100 Mbps
System Requirements:	Windows 2000 Professional / Server with Service Pack 1; Windows XP for IP over IEEE 1394 (TCP/IP Protocol)
IEEE 802.11b Wireless LAN Interface Type A (Part #402001)	
Data Transmission speed:	1 / 2 / 5.5 / 11 Mbps Note: Cannot be used simultaneously with 10/100 BaseTX interface. Must be manually selected at the operator control panel
Bluetooth Wireless Interface Type 2045 (Part #411377)	
Data Transmission Speed:	1Mbps

Supplies

(Yields are based on 5% coverage on letter-size page/A4 page)

Black Toner	Approximately 20,000 pages	(Part #885372)
Cyan Toner	Approximately 10,000 pages	(Part #885375)
Magenta Toner	Approximately 10,000 pages	(Part #885374)
Yellow Toner	Approximately 10,000 pages	(Part #885373)
Black Image Drum		(Part #400880)
Color Image Drums		(Part #400879)
Black Development Unit		(Part #400962)
Color Development Units		(Part #400961)
Waste Toner Bottle		(Part #400662)
Fusing Unit		(Part #400876)
Oil Supply Unit		(Part #400878)
Staple Cartridge Type K	(5,000 shots)	(Part #410801)
Staple Refills Type K	(5,000x3 shots)	(Part #410802)

Specifications and external appearances are subject to change without notice. For maximum performance and yields, 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.

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