

# CL2000/CL2000N

THE RICOH AFICIO  
CL2000/CL2000N

THE RICOH  
**color printer**  
series



Aficio®



**RICOH®**



## THE RICOH AFICIO CL2000/CL2000N COLOR LASER PRINTERS

High-speed and high-efficiency  
in an amazingly affordable,  
compact printer.

### Get the Power of Choice: COLOR or Black & White

Deciding whether you want color or black & white documents should be as simple as selecting an icon on your own computer. The RICOH® Aficio® CL2000/CL2000N Color Laser Printers let you do just that—and much more. They both offer high-speed, four-color and black & white prints from the same low-cost, compact unit. It's a choice so powerful it could change the way you present your work.

And your choices begin, even before you click the print button. The Aficio CL2000 is a standalone unit designed for individuals who demand high-volume and high-efficiency. The Aficio CL2000N provides advanced network capabilities to make it an excellent workgroup printer.

### Meeting the Demands of Today's Business

Global competition has forced businesses everywhere to become more cost-conscious and productivity-focused than ever before. That's why everyone in your workgroup will appreciate the high-quality, rapid output of the Aficio CL2000/CL2000N:

- Single-pass, 1200 x 1200 dpi color laser technology produces crisp, clear business graphics.
- 16.9 prints per minute full color and black & white, plus the shortest possible paper path for superior speed.
- Induction heating technology reduces first print out time to less than 15.5 seconds (among the shortest in their class).

### Quality and Flexibility in One

When it comes to evaluating printers, quality is key. But flexibility is also important. That's why the Aficio CL2000/CL2000N were designed to produce high quality business documents on multiple paper types, including plain, thick and glossy stocks. Labels, transparencies and envelopes also feed and print with ease. It's the kind of versatility that not only reduces costly outsourcing fees, but also allows you to print what you want exactly when you want it.

### Fast Color and Black & White



**RICOH®**

## Plug and Print

You don't have to be a network guru to put the Aficio CL2000N to work in your office. Optional IEEE 802.11b and Bluetooth are also available, which enables you to reconfigure your office space as needs dictate, not as wires permit. In addition, with its compact footprint, the Aficio is a perfect fit.

The convenience continues long after network setup with Ricoh Web SmartDeviceMonitor and Ricoh SmartDeviceMonitor, which allow you to check printer status right from your desktop.

- An optional IEEE 1394 boosts transfer speed to 400 Mbps, while saving network bandwidth.
- Wireless capability (optional IEEE 802.11b or Bluetooth) eliminates the need to wire your office.

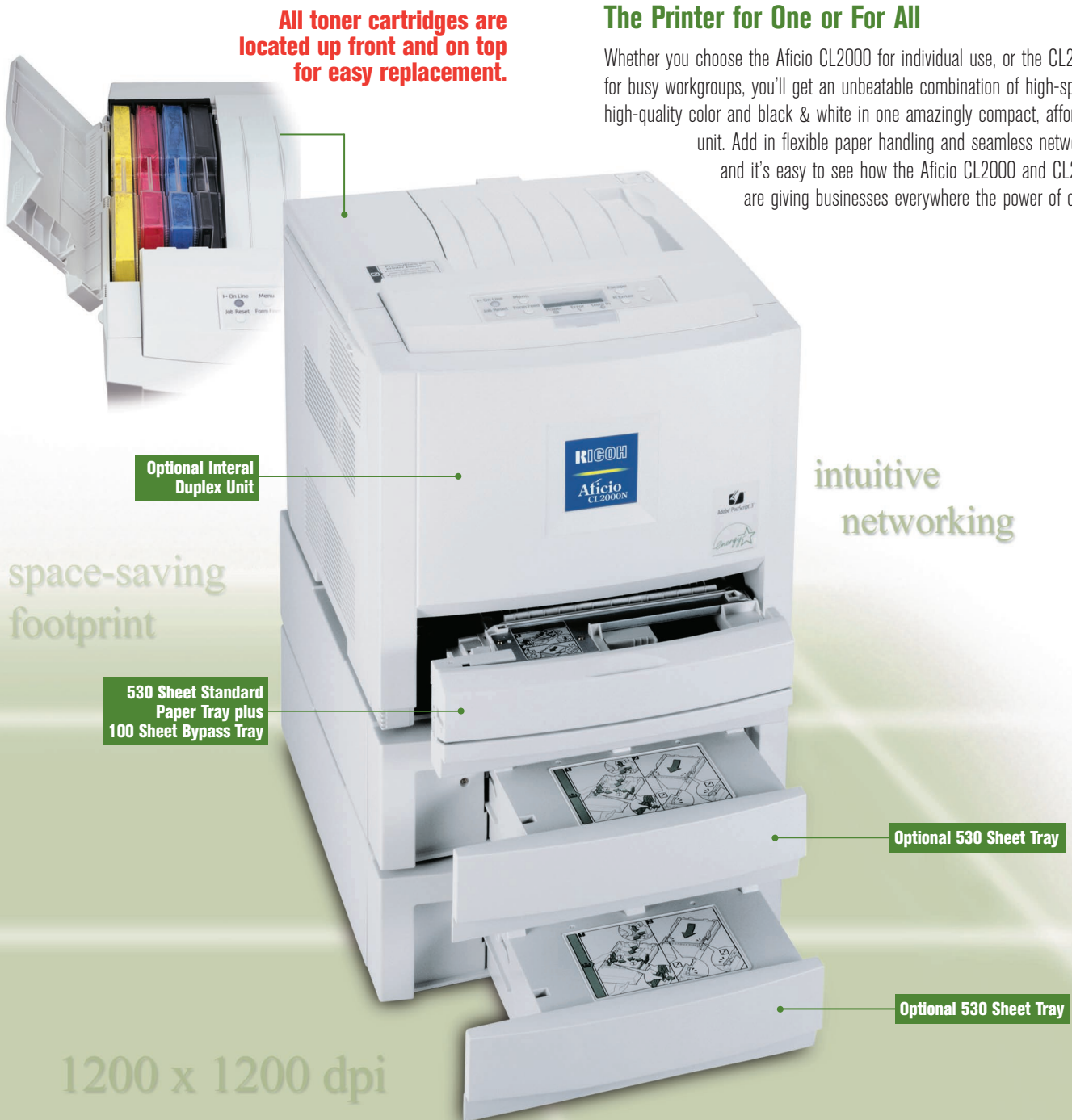
## Proven Performance at Reduced Cost

Companies everywhere are striving to cut costs and boost output all over their operations. The Aficio CL2000/CL2000N were designed and built to help you do just that. They're engineered to maximize resources, minimize consumption of materials and optimize productivity.

- Automatic color selection accurately differentiates between color and black & white, so even mixed documents are output at the lowest possible cost.
- Power consumption is minimized because of extremely rapid warm-up and cool down speeds.
- Duplex option automatically cuts paper consumption in half—without altering the footprint.
- Virtually limitless paper supply reduces downtime to refill paper trays.

## The Printer for One or For All

Whether you choose the Aficio CL2000 for individual use, or the CL2000N for busy workgroups, you'll get an unbeatable combination of high-speed, high-quality color and black & white in one amazingly compact, affordable unit. Add in flexible paper handling and seamless networking, and it's easy to see how the Aficio CL2000 and CL2000N are giving businesses everywhere the power of choice.



# CL2000/CL2000N

## Specifications

CL2000 Part #420112/CL2000N Part #420116

<b>Configuration</b>	Desktop
<b>Technology</b>	Laser-beam scanning, electro-photographic printing with mono-component toner development
<b>Resolution</b>	1,200 x 1,200 dpi, 1,200 x 600 dpi, 600 x 600 dpi (default)
<b>Printing Speed</b>	16.9 ppm (black & white), 16.9 ppm (full color) @ 600 x 600 or 1,200 x 600 dpi; 8 ppm (color or black & white) @ 1,200 x 1,200 dpi, Thick Papers/Transparencies: 8 ppm (black & white/full color) Duplex Speed: 16.9 ipm (black & white), 16.9 ipm (full color)
<b>First Print Speed</b>	15.5 seconds
<b>Dimensions (W x D x H)</b>	16.5" x 21.1" x 15.6" (419mm x 536mm x 395mm)
<b>Weight</b>	68.3 lbs. (31kg)
<b>Input Capacity</b>	Standard Tray: 530 sheets Bypass Tray: 100 sheets Up to 1,690 sheet total capacity
<b>Output Capacity</b>	250 sheets
<b>Paper Sizes</b>	Trays: 8.5" x 11"; 8.5" x 14"; 7.25" x 10.5"; A4; B5 Bypass Tray: 3.6" x 5.8" to 8.5" x 14" (90 x 148mm to 216 x 356mm) Envelope: #10, Monarch
<b>Paper Weight</b>	Trays: 16 to 28 lb. Bond (60 to 105g/m <sup>2</sup> ) Bypass tray: 16 to 44 lb. Bond/90 lb. Index (60 to 165g/m <sup>2</sup> )
<b>Paper Types</b>	Plain paper, laser-printer qualified transparencies, card stock, labels, envelopes
<b>Duplex Printing</b>	Optional
<b>Warm-Up Time</b>	Less than 30 seconds
<b>Power Consumption</b>	1,300W or less Energy Saver Mode: 10W or less
<b>Safety Regulations</b>	UL1950, cUL, FDA21CFR, FCC ClassB

## Controller Specifications

<b>CPU</b>	RM7065 350 MHz
<b>Printer Languages</b>	Adobe PostScript 3, PCL 5c, Ricoh RPCS
<b>Fonts</b>	For Adobe PostScript 3: 136 Type 1 fonts For PCL 5c: 35 Intellifonts; 10 TrueType fonts; 1 bitmap font
<b>Memory</b>	64MB RAM; up to 256MB
<b>Hard Disk Drive</b>	10GB (Optional)
<b>Interface</b>	IEEE 1284 Bi-directional Parallel USB 2.0 Serial 10/100 BaseTX Ethernet (CL2000-Optional)
<b>Optional Interfaces</b>	IEEE 1394 IEEE 802.11b wireless LAN interface Bluetooth interface 10/100 Base TX Ethernet (Optional for 2000)
<b>Network Protocols</b>	Simultaneous auto-sensing and auto-switching protocols: TCP/IP, Novell IPX/SPX, AppleTalk, SMB/NetBEUI
<b>Driver</b>	RPCS: Windows 95/98/Me/NT 4.0/2000/ XP/Server 2003; PCL 5c: Windows 95/98/Me/NT 4.0/2000/XP/Server 2003 PS: Windows 95/98/Me/NT 4.0/2000/XP/Server 2003, Mac OS 8.6 or later, OS X (v. 10.1, 10.2, 10.3), UNIX (Solaris, HP-UX, Red Hat Linux, SCO, IBM AIX)
<b>Print Utilities</b>	SmartDeviceMonitor; Web SmartDeviceMonitor; DeskTopBinder Lite; Printer Utility for Mac; Agfa Font Manager 2000

## Controller Options

<b>10GB Hard Disk Drive</b>	HDD is necessary for Locked Print (Secure Printing), Sample Print, Job spooling, and permanent font downloading. An HDD is recommended for electronic collation or RIP Once and Print Many capability.	Part# 001404MIU
<b>Memory Options:</b>	144-pin DIMM SD-RAM (PC133 compliant); Maximum of 256MB total	
	64MB RAM	Part # 001178MIU
	128MB RAM	Part # 001179MIU
	256MB RAM	Part # 001180MIU

## Interface Options

\*Only one optional interface can be installed, requiring the removal of the USB interface.

<b>IEEE 1394 Interface Board Type 4510</b>	2.0m 6pin to 6pin cable, 2.0m 6pin to 4pin cable	Part # 400745
<b>Included Cables:</b>	6 pins; 2 ports available	
<b>Hardware Specifications:</b>	100/200/400 Mbps	
<b>Data Transmission Speed:</b>	Windows 2000 Professional/Server with Server Pack 1 (SCSI) Windows Me/XP/Server 2003 for IP over IEEE 1394 (TCP/IP Protocol)	
<b>System Requirement:</b>		

<b>IEEE 802.11b Wireless LAN Interface Type A</b>	1/2/5.5/11 Mbps	Part # 402001
<b>Data Transmission Speed:</b>	Must be manually selected at printer control panel.	

<b>Bluetooth Interface Board Type B</b>	Approximately 32 feet/10 meters	Part # 402063
<b>Range:</b>	Windows 95/98/Me/2000/XP/Server 2003	
<b>Supported OS:</b>	Bluetooth v1.1	
<b>Transmission Specification:</b>		

<b>100 BaseTX Ethernet Board Type 3000 (CL2000 only)</b>	Part # 400886
<b>Use Account Enhance Unit Type B</b>	Part # 400570
Printing usage can be monitored and users accessing color printing can be restricted using SmartDeviceMonitor for Admin.	

## Paper Handling Options

<b>Paper Feed Unit Type 3000</b>	Part # 400836
<b>Paper Size:</b>	Trays: 8.5" x 11"; 8.5" x 14"; A4; B5
<b>Paper Weights:</b>	Trays: 16 to 28 lb. Bond (60 to 105g/m <sup>2</sup> )
<b>Capacity:</b>	530 sheets
Note: The CL2000/2000N can be configured with up to two additional paper trays.	
<b>Duplex Unit AD440</b>	Part # 400835
<b>Paper Size:</b>	Trays: 8.5" x 11"; 8.5" x 14"; A4; B5
<b>Paper Weights:</b>	16 - 28 lb. Bond (60 to 105g/m <sup>2</sup> )

## IS100e Network Scanner (Optional)

Multi-function upgrade, Copy/Scan/Email scan.	Part # 402026
Cabinet is available.	Part # 402030

## Supplies (Yields are based upon 5% coverage on letter size/A4 page)

<b>Toner Type 125 Black</b>	Approximately 5,500 pages	Part # 400963
<b>Toner Type 125 Cyan</b>	Approximately 5,500 pages	Part # 400969
<b>Toner Type 125 Magenta</b>	Approximately 5,500 pages	Part # 400975
<b>Toner Type 125 Yellow</b>	Approximately 5,500 pages	Part # 400981
<b>Photoconductor Unit Type 125 Black</b>		Part # 400842
<b>Photoconductor Unit Type 125 Color</b>		Part # 400843
<b>Waste Toner Bottle Type 155</b>		Part # 420131
<b>Fusing Unit Type 155</b>		Part # 420132
<b>Intermediate Transfer Unit Type 125</b>		Part # 400846



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## Image Communication

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