

RICOH® technology portal

Want to eliminate the need for preprinted forms?

Want a Low Cost Variable Data software for Windows?

Need a compact system that meets your color black and white printing demands?

Aficio® CL2000N with DOT Office

INPUT

- Variable Data for Windows applications
- Connectivity:
 - USB 2.0
 - Bi-directional IEEE1284 Parallel
 - 10/100 BaseTX
- Maximum 1,690-sheet paper capacity

MANAGEMENT

- Low cost entry level Variable Data Solution
- DOT Office 100% Certified by Microsoft
- PDL's:
 - PCL 5e/6 emulation
 - Postscript 3
 - RPCS (Refined Printing Command Stream)
 - PDF Direct Print
- Web Image Monitor provides remote management and configuration

OUTPUT

- Eliminate Greenbar paper and preprinted forms
- 16.9-PPM b&w and color
- Up to 8.5" x 14" documents
- True 1200 x 1200 dpi

Aficio CL2000N *Workgroup Solutions*

CL2000/CL2000N

Specifications

CL2000 Part #420112/CL2000N Part #420116

Configuration	Desktop
Technology	Laser-beam scanning, electro-photographic printing with mono-component toner development
Resolution	1,200 x 1,200 dpi, 1,200 x 600 dpi, 600 x 600 dpi (default)
Printing Speed	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)
First Print Speed	15.5 seconds
Dimensions (W x D x H)	16.5" x 21.1" x 15.6" (419mm x 536mm x 395mm)
Weight	68.3 lbs. (31kg)
Input Capacity	Standard Tray: 530 sheets Bypass Tray: 100 sheets Up to 1,690 sheet total capacity
Output Capacity	250 sheets
Paper Sizes	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
Paper Weight	Trays: 16 to 28 lb. Bond (60 to 105g/m ²) Bypass tray: 16 to 44 lb. Bond/90 lb. Index (60 to 165g/m ²)
Paper Types	Plain paper, laser-printer qualified transparencies, card stock, labels, envelopes
Duplex Printing	Optional
Warm-Up Time	Less than 30 seconds
Power Consumption	1,300W or less Energy Saver Mode: 10W or less
Safety Regulations	UL1950, cUL, FDA21CFR, FCC ClassB

Controller Specifications

CPU	RM7065 350 MHz
Printer Languages	Adobe PostScript 3, PCL 5c, Ricoh RPCS
Fonts	For Adobe PostScript 3: 136 Type 1 fonts For PCL 5c: 35 Intellifonts; 10 TrueType fonts; 1 bitmap font
Memory	64MB RAM; up to 256MB
Hard Disk Drive	10GB (Optional)
Interface	IEEE 1284 Bi-directional Parallel USB 2.0 Serial 10/100 BaseTX Ethernet (CL2000-Optional)
Optional Interfaces	IEEE 1394 IEEE 802.11b wireless LAN interface Bluetooth interface 10/100 Base TX Ethernet (Optional for 2000)
Network Protocols	Simultaneous auto-sensing and auto-switching protocols: TCP/IP, Novell IPX/SPX, AppleTalk, SMB/NetBEUI
Driver	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)
Print Utilities	SmartDeviceMonitor; Web SmartDeviceMonitor; DeskTopBinder Lite; Printer Utility for Mac; Agfa Font Manager 2000

Controller Options

10GB Hard Disk Drive	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
Memory Options:	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.

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

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

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

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

Paper Handling Options

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

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)

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



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