AP400/AP400N

THE RICOH
printer
series

Aficio®

RICOH®

THE RICOH AFICIO
AP400/AP400N
DESKTOP PRINTERS

Affordable, High–performance Monochrome Laser Printers

Compact, Dependable, Easy to Use…

What more could you ask for in a laser printer? Well, you could ask for faster print speed, larger paper capacity, and more memory. Look no further! The versatile Ricoh Aficio AP400/AP400N black & white printers deliver all these benefits, and much more.

Ricoh offers two powerful printing solutions: the standalone Aficio AP400, ideal for the professional user, and the network-ready Aficio AP400N, designed as a shared resource for small workgroups. An abundance of standard and optional features make the Aficio AP400/AP400N an indispensable part of your office.

Superior Design • Greater Productivity

• Fast 26-pages-per-minute print speed and quick 7.5-second first-page out results in printed output almost instantaneously with the click of the mouse.

• High-quality 1,200 x 1,200-dpi resolution, at full rated engine speed, produces consistently sharp text and graphics – giving your documents professional impact, without impacting productivity.

• The combination of a 300MHz processor, 64MB memory (upgradeable to 320MB) and RIP Once, Print Many technology optimizes the printing performance of the Aficio AP400/AP400N to ensure that your documents are waiting for you.

• Choose from a variety of standard PDLs (Page Description Languages) for out-of-box compatibility with today's most popular business and graphics software: PCL 5e/6 emulation, Adobe® PostScript 3®, and Ricoh RPCS™.

• A high-yield All-in-One Toner Cartridge that is easy to access and replace. Just open the front panel, snap out the old cartridge and slide in the new. It's that simple.

Versatile Paper Handling • Exceptional Ergonomics

• The Aficio AP400/AP400N offers a large 500-sheet standard paper tray (for paper sizes up to 8.5" x 14"), and a standard multipurpose Bypass Tray that provides an additional 100 sheets of paper and accommodates special media, such as envelopes and transparencies.

• For higher volume throughput, without interruption, add up to two optional 500-sheet Paper Feed Units, taking the total paper capacity to a substantial 1,600 sheets, from four sources.

• Print envelopes with ease, up to 10 at a time through the standard Bypass Tray or via the optional Envelope Cassette, which holds up to 60 envelopes.

• Automatically print two-sided documents using the optional Duplex Unit, with virtually no compromise in throughput, saving time and money.
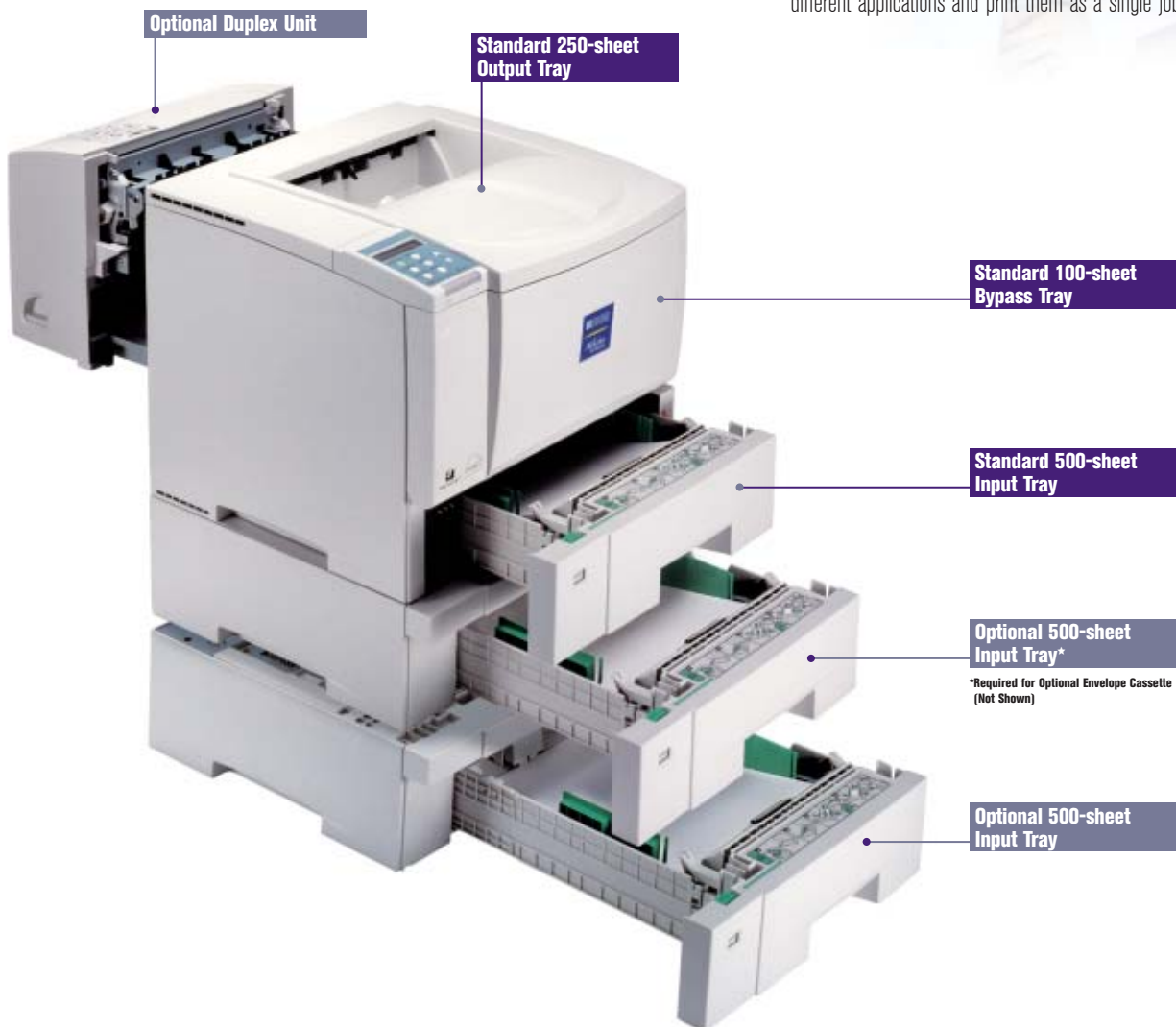
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Standalone or Workgroup • Adaptable to any Environment

• For single computer configurations, the Aficio AP400 ships with built-in bi-directional IEEE 1284-compliant Parallel and USB 2.0 ports. Optionally, the Aficio AP400 supports network printing. If your needs change, so too can your Aficio AP400.

• To support networked workgroups, the Aficio AP400N offers the same Parallel and USB interfaces, plus a Fast Ethernet 10/100 BaseTX connection.

• Experience true printing mobility with IEEE 802.11b and Bluetooth Wireless interfaces that allow laptops with wireless interface cards to make immediate ad-hoc connections to the Aficio AP400/AP400N.

• With the IEEE 1394 interface option, IP over IEEE 1394 is supported, providing an alternate high-speed network connection.

Ricoh Utilities • Optimize Peripheral Management

Ricoh's printer utilities not only provide up to the minute status of your networked peripherals, but also allow you to maximize printing productivity.

• With Web Image Monitor, network administrators are notified through "E-mail Alerts" of various printer issues for immediate resoultion.

• Recovery Printing re-directs print jobs from the default printer to an alternate printer, ensuring you get your documents without delay.

compact
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• Parallel Printing dramatically increases productivity by leveraging capacity of multiple networked Ricoh printers to create multiple sets of a single document; thus three networked Aficio AP400N printers have the virtual speed of 78 pages per minute.

• Ricoh's DeskTopBinder utility can combine pages or documents created in different applications and print them as a single job.

Optional Duplex Unit

Standard 250-sheet Output Tray

Standard 100-sheet Bypass Tray

Standard 500-sheet Input Tray

Optional 500-sheet Input Tray*

*Required for Optional Envelope Cassette (Not Shown)

Optional 500-sheet Input Tray

T H E   R I C O H   D E S K T O P   P R I N T E R S

AP400/AP400N

General Specifications
Aficio AP400 – Part # 400929 / Aficio AP400N – Part # 400930

Configuration	Desktop
Print Technology	Electrophotographic laser, dual component toner
Print Speed (Letter)	26 ppm (1,200 x 1,200 dpi)
First Print Speed	7.5 seconds or less
Resolution	600/300 dpi (PCL 5e)
	1,200/600 dpi (PCL 6, Adobe PostScript 3, Ricoh RPCS)
Maximum Duty Cycle	Up to 150,000 pages per month
Dimensions (W x D x H)	15.3" x 17.7" x 13.6" (388 x 450 x 345mm)
Weight	37.5 lbs. (17.0 kg)
Power Requirements	120V, 60Hz
Power Consumption	Printing: 550W or less; Maximum: 760W or less; Energy Saver: 4.5W or less
Warm-up Time	Less than 19 seconds

Paper Handling Specifications

Input Capacity	Standard configuration: 500 sheets, plus Bypass Tray (100 sheets or 10 envelopes)
	Optional Paper Feed Unit: 500 sheets x 2
	Maximum Paper Input Capacity: 1,600 sheets/4 sources
	Optional Envelope Cassette: 60 envelopes
Output Capacity	250 sheets
Duplex Printing	Optional
Paper Size	Standard Tray: 8.5" x 11", 8.5" x 14", 5.5" x 8.5", A5, A4, 5.5" x 5.5" (140 x 140 mm)
	to 8.5" x 14" (216 x 356 mm)
	Standard Bypass Tray: Width 3.5" to 8.5" (90 to 216 mm); Length 5.5" to 17" (140 to 432 mm)
Paper Weight	Standard Tray/Optional Paper Feed Unit: 16 - 28 lb. bond (60-105 g/m²)
	Standard Bypass Tray: 16 lb. bond - 90 lb. Index (60 – 163 g/m²)
Paper Type	Plain paper, recycled paper, envelopes*, laser-quality qualified transparencies** and labels**
	*Through Bypass Tray or optional Envelope Cassette.
	**Through Bypass Tray.

Controller Specifications

CPU	TX4955 300MHz
Printer Languages	PCL 5e/6 emulation, Adobe PostScript 3, Ricoh RPCS (Refined Printing Command Stream) and PDF
Fonts	PCL: 35 Intellifonts, 10 TrueType, 1 bitmap
	Adobe PostScript 3: 136 Type 1 fonts
Memory	64MB; 320MB maximum
Hard Disk Drive	Optional
Printer Drivers	PCL 5e/6: Windows 95/98/Me/NT 4.0/2000/XP/Server 2003
	Adobe PostScript 3: Windows 95/98/Me/NT 4.0/2000/XP/Server 2003; Mac OS (8.6.0 or later);
	Mac OS X (10.1.x or later)
	Ricoh RPCS: Windows 95/98/Me/NT 4.0/2000/XP/Server 2003
Standard Interfaces	AP400: Bi-directional IEEE 1284-compliant Parallel, USB 1.1/2.0
	AP400N: 10/100 BaseTX Ethernet, Parallel, USB 1.1/2.0
Optional Interfaces	AP400*: 10/100 BaseTX Ethernet, IEEE 1394, IEEE 802.11b Wireless LAN, Bluetooth Wireless
	AP400N*: IEEE 1394, IEEE 802.11b Wireless LAN**, Bluetooth Wireless
	*Cannot be configured with more than one interface option at a time.
	**Cannot be used in conjunction with 10/100 BaseTX interface. Must be manually selected at the
	operator control panel.
Utilities	SmartNetMonitor; Web SmartNetMonitor; Web Image Monitor (embedded to NIC); DeskTopBinder Lite;
	Plug-In to HP Web JetAdmin; Plug-In to HP OpenView, CA Unicenter and IBM Tivoli NetView; Printer
	Utility for Mac; and Font Manager 2000.

Paper Handling Options

Paper Feed Unit Type 400* (Part # 400933)

Paper Size	8.5" x 11", 8.5" x 14", 5.5" x 8.5", A5, A4, 5.5" x 6.3" (140 x 160 mm)
	to 8.5" x 14" (216 x 356 mm)
Paper Weight	16 - 28 lb. bond (60-105 g/m²)
Paper Capacity	500 sheets

*AP400/400N can accommodate up to two Paper Feed Units.

Envelope Cassette Type 400* (Part # 400939)

Paper Size	Com10, Monarch, C5, C6, DL
Paper Weight	19 - 24 lb. bond (72-90 g/m²)
Capacity	60 envelopes

*One Optional Paper Feed Unit is required for the Envelope Cassette. High quality envelopes are recommended.

Duplex Unit AD450 (Part # 400936)

Paper Size	8.5" x 11", 8.5" x 14", 5.5" x 8.5", A5, A4
Paper Trays	All, including Bypass Tray
Paper Weight	17 - 28 lb. bond (64-105 g/m²)

Interface Options

Network Interface Board Type 2610* (Part # 400780)

Topology	10/100 BaseTX Ethernet (Auto Sensing)
Network Protocols	TCP/IP; IPX/SPX; NetWare 3.11/4.1 or above, 5.0/5.1/6.x;
	AppleTalk; NetBEUI; IPP (Internet Printing Protocol)
Other Supported	UNIX* (lpr/lpd): Sun Solaris 2.6/7/8/9; HP-UX 10.x/11.x; SCO OpenServer 5.x;
	Red Hat Linux 6.x/7.x; IBM AIX 4.3/5L V5.1
	*For UNIX support, visit www.ricoh-usa.com/download

*Standard for AP400N. Cannot be used in conjunction with IEEE 802.11b interface.

IEEE 802.11b Wireless LAN Interface Type A* (Part # 402001)

Data Transmission Speed	1/2/5.5/11 Mbps

*Cannot be used in conjunction with 10/100 BaseTX Ethernet.

Bluetooth Interface Board Type 2045 (Part # 411377)

Data Transmission Speed	1 Mbps

IEEE 1394 Interface Board Type 4510* (Part # 400745)

Cables (Included)	2.0m 6-pin to 6-pin cable, 2.0m 6-pin to 4-pin cable
Hardware Specifications	6 pins; 2 ports available
Data Transmission Speed	400/200/100 Mbps
System Requirement	Windows 2000 Professional/Server with Service Pack 1
	Windows XP for IP over IEEE 1394 (TCP/IP Protocol)

Memory Options

Hard Disk Drive Type 2600* (Part # 400614)

*HDD is required for the Locked Print (Secure Printing), Sample Print, Collation, Job Spooling, permanent font downloading.

64MB/128MB/256MB Memory Module* (Part # 001178MIU/001179MIU/001180MIU)

Hardware Specifications	144-pin DIMM SDRAM (PC133 compliant)

*Additional Memory Module is recommended to duplex print (two-sided) at the highest (1,200 dpi) resolution.

Supplies

Toner Cartridge Type 120 Black (Part # 400942)

Yield	Approx. 15,000 pages (@ 5% coverage/8.5" x 11" Size)

Maintenance Kit Type 400 (Part # 400950)

Contents	Includes Fusing Unit, Transfer Roller, Friction Pads and Paper Feed Rollers
Yield	Approx. 90,000 pages (@ 5% coverage/8.5" x 11" Size)

Print speed may be affected by network, application or PC performance.

Specifications and external appearances are subject to change without notice.

Products may be shown with optional features accessories.

For maximum performance and yield, we recommend using genuine Ricoh parts and supplies.

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