

# AP410/AP410N

THE RICOH AFICIO AP410/AP410N

THE RICOH  
printer  
series



Aficio®

RICOH®

THE RICOH AFICIO AP410/AP410N

# Monochrome Laser Printers...

Expandable and Built for Today's

## Business Demands

### Affordable Laser Printers for Small Offices and Workgroups

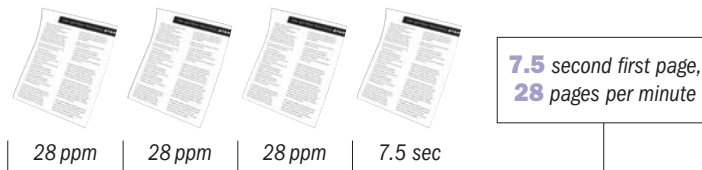
The compact RICOH® Aficio® AP410/AP410N Series – available in two configurations – offers everything needed to achieve the highest levels of office productivity and efficiency: low cost per page, fast throughput, a large expandable paper supply, flexible paper handling, superb image quality, and intuitive device management utilities. The Aficio AP410 is ideal for budget-conscious business professionals, while the equally affordable network-ready Aficio AP410N serves as a robust, shared network printing resource. The Aficio AP410 and AP410N are true “Best-in-Class” printers from an industry leader – Ricoh.



Fully configured Ricoh Aficio AP410N

### Speed and Quality That Shows

At **28 pages per minute**, with a **7.5-second first-page-out time**, the AP410/AP410N Series produces your letters, reports, and presentations without delay. Resolution settings, **up to 1,200 x 1,200 dpi**, at full engine speed, produce consistently high-quality, professional prints.



### Easy, Low-Cost Operation

The easy-to-replace, **long-life (15,000-page) all-in-one Toner Cartridge** (includes toner, developer and drum) delivers a competitive cost per page. And, the AP410/AP410N Series' **ergonomic design and small footprint** makes these printers welcome additions to any office, including those with limited space; even when fully configured with multiple paper trays, the AP410/AP410N Series comfortably fits on the desktop. Easily add paper to any of the paper trays thanks to **convenient front-access paper trays** – no side trays will get in your way.

The Aficio AP410 offers standard bi-directional IEEE 1284-compliant Parallel and USB 2.0 ports. The Aficio AP410N ships with a standard Ethernet 10/100BaseTX interface (Option with AP410), as well as Parallel and USB ports. IEEE 802.11b, Bluetooth Wireless interface and IEEE 1394 interface are options.



### Smarter Management

Intuitive printer management utilities simplify all aspects of installation, monitoring, and management of Ricoh network systems, right from the desktop.

- ▶ **Web Image Monitor** is firmware built into the AP410N that allows an administrator to remotely manage – via a standard Web browser – individual devices installed on the network, configure network settings, browse the printer's status, view job and error histories.
- ▶ **SmartDeviceMonitor**, like Web Image Monitor, enables convenient monitoring, management, and configuration of the AP410N right from the desktop. However, SmartDeviceMonitor is a comprehensive software suite that resides on the user's PC. Access and change system settings, monitor usage, view system status, even improve workflow efficiency using...
  - **Recovery Printing** to redirect print jobs from the default printer to an alternate printer, ensuring your documents are printed without delay.
  - **Parallel Printing** to leverage capacity of multiple network printers to create sets of a single document; three networked AP410N printers have the virtual speed of 84 ppm.

## Strong Paper Handling Capabilities

The AP410/AP410N Series' **standard 500-sheet paper supply** holds a full ream of paper and offers the added flexibility of a **standard 100-sheet bypass** for plain paper or special media. Add **one or two 500-sheet paper feed trays** to boost your total paper capacity to a **maximum of 1,600 sheets**; fewer interruptions to replenish paper saves time! Print onto plain paper **up to 8.5" x 14"**, and a **wide range of media types**, including transparencies, card stocks, recycled papers and custom paper sizes. Print envelopes with ease – up to 10 through the **standard Bypass Tray**, or 60 via the **optional Envelope Cassette**. Cut paper usage and filing space in half with the **optional Automatic Duplex Unit** – without altering the footprint.

## Prevent Information Theft

There is a critical need for businesses to implement effective strategies to protect information assets, thus Ricoh has developed a comprehensive suite of security solutions to protect against opportunistic or targeted threats.

- ▶ **SmartDeviceMonitor** enables users to encrypt print data via Internet Printing Protocol (IPP) using Secure Sockets Layer/Transport Layer Security (SSL/TLS) technology, thwarting any attempt to tap data.
- ▶ An optional **Network Data Protection Data Unit** enables data encryption, so that only the AP410N can properly recreate the data stream, guarding against information theft.
- ▶ **Locked Print** feature suspends output until a PIN is entered at the AP410/AP410N Series' control panel, preventing others from reading or removing documents sitting on the tray. This function becomes available when the optional HDD is installed.

Extreme capacity, extensive media capabilities, and envelope printing with ease makes the AP410/AP410N Series a flexible solution



## Workflow Efficiency Without Complications

The AP410/AP410N Series offers **PDF Direct Print**. Great for reducing network traffic, this feature lets the printer receive a PDF file from a PC, then print, without requiring access to Adobe Acrobat.

**Dynamic DNS** automatically updates the AP410N's IP address and host name when the printer is powered on; a connected PC will always find the printer's location on the network. The **Internet Printing Protocol (IPP)** enables remote employees and other authorized users to print to the AP410N just as if they were on the LAN.

## Leverage Your Investment

Integrate the AP410N, or AP410 with an optional Network Interface Board, with the **Ricoh IS200e Image Scanner** to create a shared network "Scan-to" workstation\* – one that enables an entire workgroup to benefit from cost-efficient, versatile document imaging, distribution, and convenience copying. In fact, place one IS200e with two or more AP410N printers to improve communication with customers, clients and suppliers, while also streamlining collaborative efforts among employees.

\*The Ricoh IS200e Image Scanner supports Scan-to-Email (with LDAP), Scan-to-Print, and Scan-to-Folder/FTP and TWAIN.

## One Proven Platform, Two Outstanding Printers

Designed for small businesses and workgroups alike, the Ricoh Aficio AP410/AP410N Series delivers the **perfect balance of affordability and performance**. Clearly, these new printers prove that you don't need a big budget to benefit from state-of-the-art printer performance.



Fast, Reliable Laser Printers...Engineered for Today's Value-Driven Offices

# THE RICOH AFICIO

# AP410/AP410N

## Specifications

<b>Main Unit</b>	<b>Aficio AP410 - Part #402348</b> <b>Aficio AP410N - Part #402353</b>
<b>Configuration:</b>	Desktop
<b>Technology:</b>	Laser-beam scanning, electro-photographic printing with dual-component toner development
<b>Resolution:</b>	(PCL5e); 300 x 300, 600 x 600-dpi; (PCL6); 600 x 600, 1200 x 1200-dpi; (RPCS); 300 x 300, 600 x 600, 1200 x 1200-dpi; (PS3); 600 x 600, 1200 x 1200-dpi
<b>Printing Speed:</b>	28-ppm
<b>Duplex Speed:</b>	Approximately 100% productivity of simplex speed
<b>First Print Speed:</b>	7.5 seconds or less
<b>Dimensions (W x D x H):</b>	15.3" x 17.7" x 13.6" (388mm x 450mm x 345mm)
<b>Weight:</b>	33 lbs. (15 kg)
<b>Warm-up Time:</b>	Less than 19 seconds
<b>Power Source:</b>	120 V, 60Hz
<b>Power Consumption:</b>	790W or less
<b>Energy Saver Mode:</b>	4W or less
<b>Paper Capacities:</b>	Up to 1,600-sheet total capacity Standard Tray: 500 sheets Standard Bypass Tray: 100 sheets Optional Paper Tray: 500 sheets (1 or 2 may be added)
<b>Output Capacity:</b>	250 sheets face down
<b>Paper Sizes:</b>	Standard/Optional Trays: 8.5" x 11", 8.5" x 14", 5.5" x 8.5", A5, A4, B5; Custom Size: 5.5" x 6.3" to 8.5" x 14.02" Bypass: Width 3.5" to 8.5" (90 - 216mm); Length 5.5" to 17" (140 - 432mm)
<b>Paper Weight:</b>	Standard Tray/Optional Trays: 16 - 28 lb. bond (60 - 105 g/m <sup>2</sup> ) Bypass: 16 lb. bond - 43 lb. bond/90 lb. index (60 - 162 g/m <sup>2</sup> )
<b>Acceptable Paper Types:</b>	Paper Type Plain paper, recycled paper, envelopes*, and laser-quality qualified transparencies** *Through Bypass Tray or optional Envelope Cassette. **Through Bypass Tray.
<b>Safety Regulations:</b>	ULI 1950, cUL, FCC Part 15 class B
<b>Controller Specifications</b>	
<b>CPU:</b>	AP410: TX4955 @ 300MHz AP410N: TX4955 @ 372MHz
<b>Printer Languages:</b>	PCL 5e/6 emulations; Adobe PostScript 3; Ricoh RPCS; PDF
<b>Fonts:</b>	Adobe PostScript 3: 136 Type 1 fonts PCL: 35 Intellifonts; 10 TrueType fonts; 1 bitmap font
<b>Memory:</b>	AP410: 64MB RAM standard; Up to 320MB RAM maximum; 20GB Hard Disk Drive (optional) AP410N: 128MB RAM standard; Up to 256MB RAM maximum; 20GB Hard Disk Drive (optional)
<b>Standard Interfaces:</b>	AP410: Bi-directional IEEE 1284 Parallel; USB 1.1/2.0 AP410N: 10/100BaseTX Ethernet; Bi-directional IEEE 1284 Parallel; USB 1.1/2.0
<b>Optional Interfaces:</b>	AP410*: 10/100BaseTX Ethernet; IEEE 802.11b wireless LAN; Bluetooth wireless; IEEE 1394 AP410N*: IEEE 802.11b wireless LAN; Bluetooth wireless; IEEE 1394 *Only one additional interface can be installed.
<b>Network Protocols:</b>	TCP/IP, Novell IPX/SPX, IPP, AppleTalk, SMB/NetBEUI

<b>Drivers:</b>	PCL 5e/6 & Ricoh RPCS: 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) UNIX: Solaris, HP-UX, Red Hat Linux, SCO, IBM AIX
<b>Driver Functions:</b>	User codes (AP410-400/AP410N-200), watermark, form overlay, toner save, rotate print, poster, duplex <sup>1</sup> , cover sheet, slip sheet, booklet, orientation, layout (n-up), reduce/enlarge centering, sample print <sup>2</sup> , locked (secure) print <sup>2</sup> , job spooling <sup>2</sup> , collation <sup>2</sup> , font downloading <sup>2</sup> <sup>1</sup> Require optional Duplex Unit. <sup>2</sup> Requires optional Hard Disk Drive.
<b>Print Utilities:</b>	SmartDeviceMonitor for Administrator and Client Web SmartDeviceMonitor; Web Image Monitor; DeskTopBinder Lite; Printer Utility for Mac; Agfa Font Manager 2000
<b>Controller Options:</b>	20GB Hard Disk Drive Type 2600 - Part #001276MIU IEEE 1394 Interface Board Type 4510* - Part #400745 IEEE 802.11b Wireless LAN Interface Type F* - Part #402345 Bluetooth Interface Board Type C* - Part #402062 10/100BaseTX Ethernet - Part #400780 (AP410 only) *Only one additional interface can be installed.
<b>Memory Options*:</b>	144-pin DIMM SD-RAM (PC133 compliant) 64MB RAM Memory Unit Type C - Part #001346MIU 128MB RAM Memory Unit Type C - Part #001347MIU 256MB RAM Memory Unit Type C - Part #001348MIU *Additional Memory Module is recommended to duplex print (two-sided) at the highest (1,200 dpi) resolution.
<b>Security Features</b>	
<b>Network Data Protection Unit (DESS) Type B</b> - Part #402363: Enables data encryption so that only the printer can properly recreate the data stream, guarding against information theft. (AP410N only)	
<b>Other Security Features:</b> SNMP v3 Authentication and Privacy Encryption (password/print data encryption); PDF Direct Print Password Protection; Locked (Secure) Print*; User Codes *Requires optional HDD.	

## Paper Handling Accessories (optional)

<b>Paper Feed Unit Type 400</b>	<b>[Part #400933]</b>
<b>Paper Size:</b>	Standard/Optional Trays: 8.5" x 11", 8.5" x 14", 5.5" x 8.5", A5, A4, B5; Custom Size: 5.5" x 6.3" to 8.5" x 14.02"
<b>Paper Weights:</b>	16 - 28 lb. bond (60 - 105 g/m <sup>2</sup> )
<b>Capacity:</b>	500 sheets; 1 or 2 units may be added
<b>Duplex Unit AD450</b>	<b>[Part #400936]</b>
<b>Paper Size</b>	8.5" x 11", 8.5" x 14", 5.5" x 8.5", A5, A4
<b>Paper Trays</b>	All, including Bypass Tray
<b>Paper Weight</b>	16 - 28 lb. bond (60 - 105 g/m <sup>2</sup> )
<b>Envelope Feeder Type 400*</b>	<b>[Part #400939]</b>
<b>Paper Size</b>	Com10, Monarch, C5, C6, DL
<b>Paper Weight</b>	19-24 lb. (72 - 90 g/m <sup>2</sup> )
<b>Capacity</b>	60 envelopes
*One optional Paper Feed Unit is required for the Envelope Cassette. High quality envelopes are recommended.	
<b>IS200e Image Scanner (MFP Upgrade Option)</b> - Part #402334: Scanning Functionality Scan-to-Email (with LDAP support), Scan-to-Folder, Scan-to-FTP, TWAIN Scanning, Scan-to-Print.	
<b>Scanner Table Type 4000</b> - Part #402337	

## Consumables\* Ricoh Part No. Yield

Toner Type 115 Black	Part #400942	15,000 pages @ 5%
Maintenance Kit Type 410	Part #402359	90,000 pages (Includes: Fusing Unit, Transfer Roller, Paper Feed Roller)
*AP410/410N ships with starter toner cartridges at 6,000 pages @ 5% coverage; all other consumables ship at full yield. Specifications subject to change without notice.		



# RICOH®

## Image Communication

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The Ricoh Aficio AP410/AP410N is warranted against defects for a period of ONE (1) YEAR from the date of purchase.  
Consumables are warranted for a period of ninety (90) days from the date of purchase. Please see warranty shipped with the product for more details.



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

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