

# AP610N

THE RICOH AFICIO AP610N

THE RICOH

# printer series



Aficio®

**RICOH®**



THE RICOH AFICIO AP610N

# Monochrome Laser Printer...

Versatile, Affordable, and Ready for

## High Performance

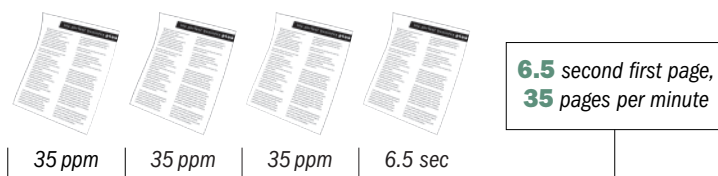
### Powerful Performance...Professional Results

The RICOH® Aficio® AP610N is a rugged black-and-white laser printer designed to handle your busy workgroup's everyday network printing needs. Built on a high-performance, time-tested Ricoh laser print engine, the compact and versatile AP610N offers desktop convenience, superb image quality, fast throughput, advanced security, and low cost of operation.

When time is money, this workhorse printer won't disappoint. The AP610N's large expandable paper supply, easy maintenance, intuitive management utilities, and wide variety of connectivity options, including wireless, enable you to achieve maximum office productivity. Setting a new standard in workgroup printers, the affordable AP610N's seamless network integration, high reliability, and cost-efficiency make it an exceptional value...one uniquely engineered to boost your bottom line.



Fully configured Ricoh Aficio AP610N



### Large-Format Paper Handling, up to 11" x 17"

A **standard 500-sheet paper supply** holds a full ream of letter-size paper and offers a versatile 100-sheet bypass (standard). Print onto plain paper, up to 11" x 17", and a wide range of media types, including transparencies, card stocks, recycled papers and custom paper sizes. Print envelopes with ease — up to 10 via the bypass or 60, via the optional Envelope Cassette. The **optional Duplex Unit** cuts paper usage, saving money and filing space. Add one or two 500-sheet paper feed trays to take your **total paper capacity to 1,600 sheets**, minimizing work interruptions.



A versatile Bypass tray expands the AP610N's paper handling capabilities

The high-yield, low-cost toner cartridge is easy to access and replace

### Smart Engineering

Ricoh's precision laser technology delivers fast black-and-white prints at speeds of up to **35 pages per minute**, with a **6.5-second first-page-out time**, and **1,200 x 1,200 dpi** resolution to produce crisp, clean prints at full engine speed. Backed by a powerful 372MHz processor, and 128MB memory (upgradeable to 256MB), the high-performance AP610N is optimized for peak workloads.

### Desktop Convenience, Easy Maintenance

A **front-access design** makes adding paper a snap, so there are no side trays to get in your way. When fully configured with multiple paper trays, the Aficio AP610N's compact footprint is unchanged, conserving valuable desk space. For simplified maintenance, the **high-yield, low-cost per page Toner Cartridge** is easy to access and replace.

### Connect with Confidence

- ▶ Easy to install, the AP610N offers a standard **10/100BaseTX Network Interface Board**. And for single-computer configurations, a **bi-directional IEEE 1284-compliant Parallel and USB 2.0 port**.
- ▶ All major protocols are supported, including **TCP/IP, Novell IPX/SPX, IPP, AppleTalk and NetBEUI**, as are popular platforms...Windows®, Apple Macintosh®, UNIX, and optionally, the IBM AS/400®.
- ▶ With **three Page Description Languages** available, print workflow is optimized within all popular business or graphics applications; choose from **PCL 5e/6 emulations, Adobe PostScript® 3, and Ricoh RPCS**.

### Mobile Connectivity and More

Ricoh offers **IEEE 802.11b and Bluetooth Wireless LAN interface options**, allowing mobile laptop users (with wireless interface cards) to make immediate ad-hoc connections to the AP610N. The **optional IEEE 1394 interface** boosts transfer speeds to 400 Mbps, while saving network bandwidth.

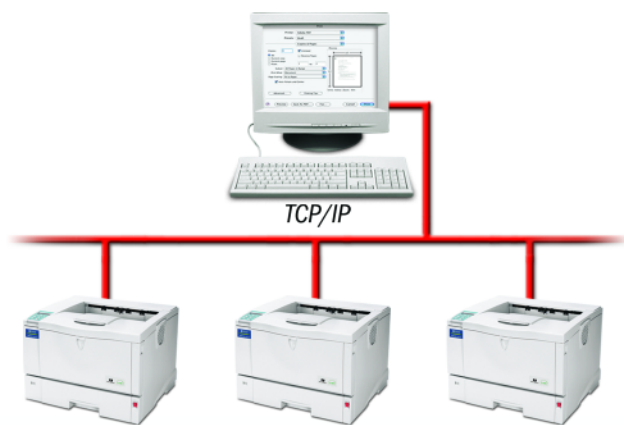
## Intelligent Workflow

The AP610N offers **PDF Direct Print**. Great for reducing network traffic, this feature lets the printer receive a PDF file from a PC, then print it without requiring access to Adobe Acrobat. Dynamic DNS automatically updates the AP610N'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 AP610N, just as if they were on the LAN.

## Point-and-Click Printer Management

Easy to use 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 AP610N 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. E-mail alerts notify the administrator in the event of a fault condition. The Remote Operation Panel even allows an administrator to reset the current job or reboot the printer from anywhere on the network.
- ▶ **SmartDeviceMonitor**, like Web Image Monitor, enables convenient monitoring, management, and configuration of the AP610N 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, and 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 AP610N printers have the virtual speed of 105 ppm.



## Multiple Levels of Security

Ricoh understands the urgent need for businesses to implement effective strategies to protect information assets, and has developed a comprehensive suite of security solutions to protect against such 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.
- ▶ **Network Data Protection Data Unit** enables data encryption so that only the AP610N can properly recreate the data stream, guarding against information theft.
- ▶ **Locked Print** suspends output until a PIN is entered at the AP610N's control panel, preventing others from reading or removing documents sitting on the tray.



Sample Print outputs one complete set for review before producing multiple sets, reducing waste and time.

## Flexible Functionality

Add the optional 20 GB Hard Disk Drive to **achieve added functionality**, including **Locked Print** (a security feature that requires PIN entry at the control panel), **Sample Print** (for proofing and review of a lengthy document), **Multiple Original Set Printing** (automatic collation), **Print Spooling** and **Font Download**.

## A Complete Solution

The Ricoh Aficio AP610N is a remarkable network printer designed for IT professionals seeking a solid return-on-investment, without sacrificing performance. The AP610N out-performs the pack with **seamless network integration, a full suite of system utilities, and a broad array of productivity-enhancing features**...everything needed to move your business forward.



**The Ricoh Aficio AP610N...**  
**Unrivalled Productivity, Low Total Cost of Ownership**

# THE RICOH AFICIO AP610N

## Specifications

<b>Main Unit</b>	<b>Aficio AP610N – Part #402338</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>	35-ppm
<b>Duplex Speed:</b>	Approximately 100% productivity of simplex speed
<b>First Print Speed:</b>	6.5 seconds or less
<b>Dimensions (W x D x H):</b>	18.8" x 17.2" x 13.5" (478mm x 437mm x 343mm)
<b>Weight:</b>	44 lbs. (20 kg)
<b>Warm-up Time:</b>	Less than 19 seconds
<b>Power Source:</b>	120 V, 60Hz
<b>Power Consumption:</b>	850W or less
<b>Energy Saver Mode:</b>	5.5W 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", 11" x 17", A4, A3 Bypass: Width 3.5" to 12" (90 – 305mm); Length 5.8" to 17" (148 – 432mm)
<b>Paper Weight:</b>	Standard Tray/Optional Trays: 16 – 28 lb. bond (60 – 105 g/m <sup>2</sup> ) Bypass: 14 lb. bond – 43 lb. bond/90 lb. index (52 – 162 g/m <sup>2</sup> )
<b>Acceptable Paper Types:</b>	Paper Type Plain paper, recycled paper, envelopes*, laser-quality qualified transparencies**
*Through Bypass Tray or optional Envelope Cassette. **Through Bypass Tray.	
<b>Safety Regulations:</b>	UL UL60950, FCC Part 15 Class B
<b>Controller Specifications</b>	
<b>CPU:</b>	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>	128MB RAM standard; Up to 256MB RAM maximum; 20GB Hard Disk Drive (optional)
<b>Standard Interfaces:</b>	10/100BaseTX Ethernet; Bi-directional IEEE 1284 Parallel; USB 1.1/2.0
<b>Optional Interfaces:</b>	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

## Driver Functions:

User codes (400), 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.

## Software Utilities:

SmartDeviceMonitor for Administrator and Client  
Web SmartDeviceMonitor; Web Image Monitor;  
DeskTopBinder Lite; Printer Utility for Mac; Agfa Font Manager 2000

## Controller Features:

**Rendezvous Support:** Apple's version of Zero Configuration Networking is a standard utility that enables the AP610N to automatically recognize and connect with other devices on an IP network; no special setup or configuration is required  
**PDF Direct Print:** Enables a user to send PDF print jobs directly to the AP610N without requiring access to Acrobat Reader  
**Dynamic DNS:** Automatically updates the AP610N's IP address and host name when the printer is powered on

## Controller Options:

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

\*Only one additional interface can be installed.

## Memory Options:

144-pin DIMM SD-RAM (PC133 compliant)  
256MB RAM Memory Unit Type C - Part #001180MIU

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

## Security Features

**Network Data Protection Unit (DESS) Type B** - Part #402363: Enables data encryption so that only the printer can properly recreate the data stream, guarding against information theft.

**Other Security Features:** 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)

### Paper Feed Unit Type 610 [Part #402342]

<b>Paper Size:</b>	8.5" x 11", 8.5" x 14", 11" x 17", A4, A3
<b>Paper Weight:</b>	16 – 28 lb. bond (60 – 105 g/m <sup>2</sup> )
<b>Paper Capacity</b>	500 sheets; 1 or 2 units may be added

### Duplex Unit AD610 [Part #402343]

<b>Paper Size</b>	8.5" x 11", 8.5" x 14", 11" x 17", A5, A4, A3
<b>Paper Trays</b>	All, including Bypass Tray
<b>Paper Weight</b>	17 – 28 lb. bond (64 – 105 g/m <sup>2</sup> )

### Envelope Feeder Type 610\* [Part #402344]

<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.

## Consumables\* Ricoh Part No. Yield

Toner Type 115 Black	Part #400759	20,000 pages @ 5%
Maintenance Kit Type 610	Part #402346	90,000 pages (Includes: Fusing Unit, Transfer Roller, Paper Feed Roller)

\*AP610N ships with starter toner cartridges at 6,000 pages @ 5% coverage; all other consumables ship at full yield



**RICOH®**  
Image Communication

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The Ricoh Aficio AP610/AP610N 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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