

Savin  
MLP28/MLP28n

> LASER PRINTERS

**Desktop  
Laser Printers  
That Outperform**



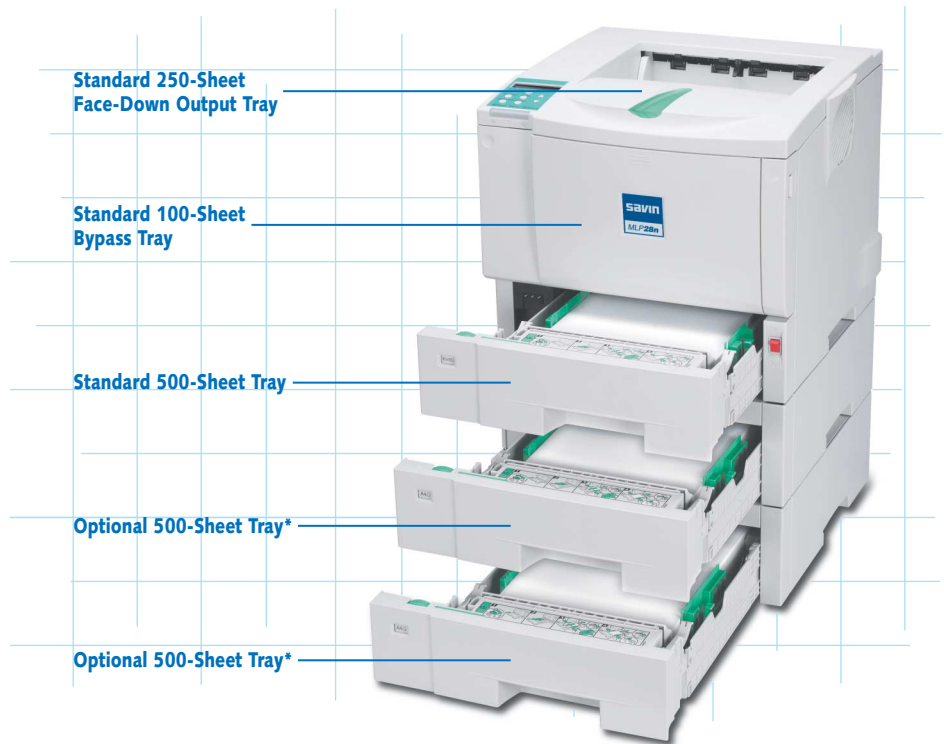
# Savin MLP28/MLP28n



**savin®**

# Feature-Rich Solutions For Small Bus

The compact, versatile Savin MLP28/MLP28n Series – available in standalone and network versions – offers advanced black-and-white laser printers designed specifically for small offices and workgroups. The Savin MLP28 is ideal for value-driven business professionals, and the Savin MLP28n serves as a shared resource on your network. Built to outperform the pack, these dependable, time-tested printers offer fast throughput, a large expandable paper supply, flexible paper handling, amazing image quality, intuitive management utilities and a low cost-per-page. Based on a winning platform, the user-friendly Savin MLP28/MLP28n Series is engineered to take your business to the next level.



**\*Add two 500-sheet trays to take your total paper capacity to 1,600 sheets.**

## Responsive Performance, Superb Quality

At 28 pages per minute, with a 7.5-second first-page-out time, these printers are optimized for peak performance. The MLP28/MLP28n Series' powerful processor and precision laser engine sail through demanding print jobs with uniform, astonishingly crisp output at true 1200 x 1200 dpi resolution!

## Complete Connectivity

Seamless PC and network connectivity awaits your busy workgroup...plug-and-play integration with today's most popular computer systems is at your fingertips.

Interface	MLP28	MLP28n
USB 2.0	Standard	Standard
IEEE 1284 Parallel	Standard	Standard
10/100BaseTX Ethernet	Optional	Standard

Should your requirements change, the modular Savin MLP28 can be equipped

with a Network Interface Board, reducing costs as current placements meet future needs.

## Mobile, High-Speed Connectivity

Keeping pace with the latest mobile technologies, the MLP28n can be optionally equipped with a IEEE 802.11b or Bluetooth Wireless interface, so laptop users (with wireless interface cards) can print without being tethered to a desktop. Boost data transfer speeds to 400 Mbps, and save network bandwidth, with the optional IEEE 1394 interface.

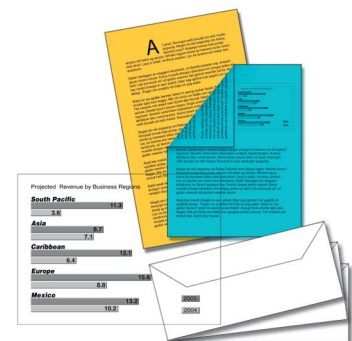
## Designed for Convenience

A convenient ergonomic design makes the MLP28/MLP28n Series a welcome addition to any office, particularly those with limited space. Even when configured with multiple paper trays, these sleek printers comfortably fit on the desktop. Easily add paper to any of the trays thanks to convenient front-access paper trays – no side trays will get in your way. And the long-life (15,000-page) All-In-

One Toner Cartridge is not only a snap to replace, it delivers a competitive cost per page.

## Flexible, Upgradeable Paper Handling

Print onto plain paper, up to 8.5" x 14", and a wide range of media types, including heavy stocks, transparencies and recycled papers. Print up to 10 envelopes with ease through the standard bypass, or 60 via the optional Envelope Cassette. Cut paper usage and filing space in half with the optional automatic Duplex Unit, without altering the compact footprint.



# Business And Workgroups.

## Advanced Security

In order to protect valuable information assets, Savin offers a comprehensive suite of security solutions specifically designed to thwart attempts to intercept print data.



Locked Print suspends output until a PIN is entered at the MLP28/MLP28n Series' control panel, preventing others from reading or removing documents sitting on the tray (requires optional Hard Disk Drive).

SmartDeviceMonitor enables users to encrypt print data via Internet Printing Protocol (IPP) using Secure Sockets Layer/Transport Layer Security (SSL/TLS) technology.

The optional Network Data Protection Data Unit enables data encryption so that only the MLP28n can properly recreate the data stream.

What's more, the Savin MLP28/MLP28n Series' security solutions enable you to meet rigorous federal requirements that govern privacy of printed and electronic data.



## Extend Your Reach

The Savin MLP28n is fully compatible with the new Savin IS200e Image Scanner, a combination that creates a multifunctional printer/scanner that supports cost-efficient document imaging, distribution and convenience copying. As a shared network "Scan-to" station, workgroups immediately benefit from Scan-to-Email (LDAP compliant), Scan-to-Print, Scan-to-Folder/FTP and

TWAIN functionality. In tandem, this dynamic solution becomes an indispensable tool for rapid conversion of your mission-critical documents into shared electronic data.

## Intuitive Utilities For Smarter Management

The Savin MLP28/MLP28n Series' intuitive management utilities save time and simplify all aspects of installation, monitoring and management of Savin network systems, right from the desktop.

**Web Image Monitor** allows an administrator to remotely manage – via a standard Web browser – individual printers installed on the network.

**SmartDeviceMonitor** is a comprehensive software suite for accessing and changing system settings, monitoring usage, viewing system status, even improving workflow efficiency.

Three networked MLP28n printers can achieve virtual print speeds of up to 84 ppm using **Parallel Print**, a feature that leverages capacity of network printers to create multiple sets of a single document.

When time is of the essence, **Recovery Print** redirects print jobs from the default printer to an alternate printer.

## All Business, All The Time

Adaptable to any office environment, large or small, the Savin MLP28/MLP28n Monochrome Laser Printer Series skillfully handles your diverse business printing needs. From general office correspondence to complex multi-page documents, these printers get the job done right.

For more information contact your authorized Savin dealer



Purchasing and storing separate consumable items is a thing of the past with the convenient All-In-One Cartridge.



The optional Duplex Unit provides increased savings by cutting paper usage and filing space requirements in half.



Print envelopes and quickly change paper sizes with easy-to-use paper guides.

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# Savin MLP28/MLP28n

## SYSTEM SPECIFICATIONS

<b>Configuration Technology</b>	Desktop 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 (WxDxH)</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/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>	Plain paper, recycled paper, envelopes*, and laser qualified transparencies** *Through Bypass Tray or optional Envelope Cassette. **Through Bypass Tray.
<b>Safety Regulations</b>	ULI 1950, cUL, FCC Part 15 class B

## CONTROLLER SPECIFICATIONS

<b>CPU</b>	MLP28: TX4955 @ 300MHz MLP28n: 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>	MLP28: 64MB RAM standard; Up to 320MB RAM maximum; 20GB Hard Disk Drive (optional) MLP28n: 128MB RAM standard; Up to 256MB RAM maximum; 20GB Hard Disk Drive (optional)
<b>Standard Interfaces</b>	MLP28: Bi-directional IEEE 1284 Parallel; USB 1.1/2.0 MLP28n: 10/100BaseTX Ethernet; Bi-directional IEEE 1284 Parallel; USB 1.1/2.0
<b>Optional Interfaces</b>	MLP28*: 10/100BaseTX Ethernet; IEEE 802.11b wireless LAN; Bluetooth wireless; IEEE 1394 MLP28n*: IEEE 802.11b wireless LAN; Bluetooth wireless; IEEE 1394 *Only one additional interface can be installed.
<b>Network Protocols Drivers</b>	TCP/IP, Novell IPX/SPX, IPP, AppleTalk, SMB/NetBEUI 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 (MLP28 – 400/MLP28n – 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> Requires optional Duplex Unit. <sup>2</sup> Requires optional Hard Disk Drive.

## CONTROLLER SPECIFICATIONS (cont.)

<b>Print Utilities</b>	SmartDeviceMonitor for Administrator and Client; Web SmartDeviceMonitor; Web Image Monitor; DeskTopBinder Lite; Printer Utility for Mac; Agfa Font Manager 2000
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## CONTROLLER OPTIONS

20GB Hard Disk Drive Type 2600  
IEEE 1394 Interface Board Type 4510\*  
IEEE 802.11b Wireless LAN Interface Type F\*  
Bluetooth Interface Board Type C\*  
10/100BaseTX Ethernet (MLP28 only)  
\*Only one additional interface can be installed.

## MEMORY OPTIONS\*

144-pin DIMM SD-RAM (PC133 compliant)  
64MB RAM Memory Unit Type C  
128MB RAM Memory Unit Type C  
256MB RAM Memory Unit Type C

\*Additional Memory Module is recommended to duplex print (two-sided) at the highest (1200 dpi) resolution.

## SECURITY FEATURES

### Network Data Protection Unit (DESS) Type B

Enables data encryption so that only the printer can properly recreate the data stream, guarding against information theft (MLP28n only).

### 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.

## OPTIONAL PAPER HANDLING ACCESSORIES

### Paper Feed Unit Type 400

**Paper Sizes** 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"  
**Paper Weights** 16 – 28 lb. bond (60 – 105 g/m<sup>2</sup>)  
**Capacity** 500 sheets; 1 or 2 units may be added

### Duplex Unit AD450

**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** 16 – 28 lb. bond (60 – 105 g/m<sup>2</sup>)

### Envelope Feeder Type 400\*

**Paper Size** Com10, Monarch, C5, C6, DL  
**Paper Weight** 19 – 24 lb. (72 – 90 g/m<sup>2</sup>)  
**Capacity** 60 envelopes

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

## IS200e IMAGE SCANNER

### IS200e Image Scanner (MFP Upgrade Option)

**Scanning Functionality** Scan-to-Email (with LDAP support), Scan-to-Folder, Scan-to-FTP, TWAIN Scanning, Scan-to-Print

### Scanner Table Type 4000

## CONSUMABLES\*

**Toner Type 115 Black** 15,000 pages @ 5%  
**Maintenance Kit Type 410** Yield – 90,000 pages  
(Includes: Fusing Unit, Transfer Roller, Paper Feed Roller)

\*MLP28/MLP28n ships with starter toner cartridges at 6,000 pages @ 5% coverage; all other consumables ship at full yield.



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Printed in U.S.A. on recycled paper. (S2073) 25M 3/05