



# Specifications

	ML-4512ND	ML-5012ND	ML-5017ND
<b>Print</b>			
Speed (Simplex)	Up to 45 ppm in Letter (43 ppm in A4)	Up to 50 ppm in Letter (48 ppm in A4)	
Resolution	Optical: 600 x 600 / Enhanced: Up to 1200 x 1200 dpi effective output		
First Print Out Time (Simplex)	As fast as 7 seconds		
Emulation	PCL5e, PCL6, IBM ProPrinter, EPSON, PostScript3, PDF Direct V1.7, XPS v1.0		
Duplex	Up to 29 ipm in Letter (28 ipm in A4)	Up to 33 ipm in Letter (31 ipm in A4)	
<b>Paper Handling</b>			
Standard Capacity	520-sheet Cassette Tray, 100-sheet Multi Purpose Tray @80g/m <sup>2</sup> (550-sheet Cassette Tray, 100-sheet Multi Purpose Tray @75g/m <sup>2</sup> )		
Max. Capacity	2,700 sheets @80g/m <sup>2</sup> (2,850 sheets @75g/m <sup>2</sup> )		
Media Size	76 x 127 mm (3" x 5") ~ 216 x 356 mm (8.5" x 14") A4, Letter, Legal, Oficio, Folio, JIS B5, ISO B5, Executive, A5, Statement, A6, Index Card Stock, Postcard, Envelope Monarch, Envelope No-10, Envelope DL, Envelope C5, Envelope C6, Envelope No 9, Custom [76 x 127 mm (3.0" x 5.0") ~ 216 x 356 mm (8.5" x 14")]		
Media Type	Plain Paper, Thin Paper, Thick Paper, Cardstock, Thicker Paper, Hole Punched, Transparency, Pre-Printed, Letterhead, Recycled, Archive, Bond, Label, Envelope, Cotton, Colored		
<b>General</b>			
Processor	Samsung Dual Core 600 MHz		
Memory/Storage	128 MB (Max. 640 MB)	256 MB (Max. 768 MB)	
OS Compatibility	Windows 8 / 7 / Vista / XP / 2000 / 2008R2 / 2008 / 2003, Mac OS X 10.4 - 10.8, Various Linux / Unix		
Interface	IEEE 1284b Parallel Option Connector, High Speed USB 2.0, Device 1 Port/Host 1 Port (Rear 1 Port - ML-4512ND), Device 1 Port / Host 2 Port (Rear 1 Port / Front 1 Port - ML-5012ND / 5017ND) 10/100/1000 Base TX		
LCD	16 x 4 Character LCD		4.3" Color Touch LCD
LED	4 (Power Key, ECO, Cycle, Status)		2 (Power Key, Status)
Key	3 x 4 Numeric key, Power, ECO, Menu, OK, Cancel, Back		Power, Cancel
Noise Level	Less than 54 dBA (Sound Pressure) (Printing), Less than 30.0 dBA (Sound Pressure) (Standby), Back Ground Level (Sleep)		
Duty Cycle, Monthly	200,000 sheets		
Dimension (WxDxH)	418 x 435 x 358 mm (16.46 x 17.13 x 14.09")		
Weight	Set - 22.96 kg (50.62 lb), Imaging Unit - 1.67 kg (3.68 lb), Toner - 0.69 kg (1.52 lb), Gross - 26.45 kg (58.31 lb)		
Power Consumption	Less than 12 W (Ready)/ Less than 850 W (AVG)/1400 W (Max/Peak)/ Less than 4.5 W (Power Save)	Less than 15 W (Ready)/Less than 900 W (AVG)/ 1400 W (Max/Peak)/ Less than 4.5 W (Power Save)	
<b>Consumables</b>			
Model Code (Toner Cartridge)	Standard Yield: MLT-D307S High Yield: MLT-D307L Extra High Yield: MLT-D307E Ultra High Yield: MLT-D307U		
Yield (Toner Cartridge)	Standard Yield: Average cartridge yield 7K standard pages* High yield: Average cartridge yield 15K standard pages* Extra High yield: Cartridge yield 20K standard pages* Ultra High Yield: Average Cartridge Yield 30K standard pages* *Declared cartridge yield in accordance with ISO/IEC 19752.		
Model Code (Imaging Unit)	MLT-R307		
Yield (Imaging Unit)	Average 60K pages* *Average cartridge yield. This may vary depending on average area coverage & print job size.		
Options	Memory: 512 MB Optional Paper Tray: 520 sheet Cassette Tray @80g/m <sup>2</sup> (550 sheet Cassette Tray @75g/m <sup>2</sup> ) Third/Fourth/Fifth Cassette: 520 sheet Cassette Tray @80g/m <sup>2</sup> (550 sheet Cassette Tray @75g/m <sup>2</sup> ) Hard Disk : Optional IEEE 1284B Parallel connection		



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# Superior printing performance – without the hassle

The high performance workgroup printer

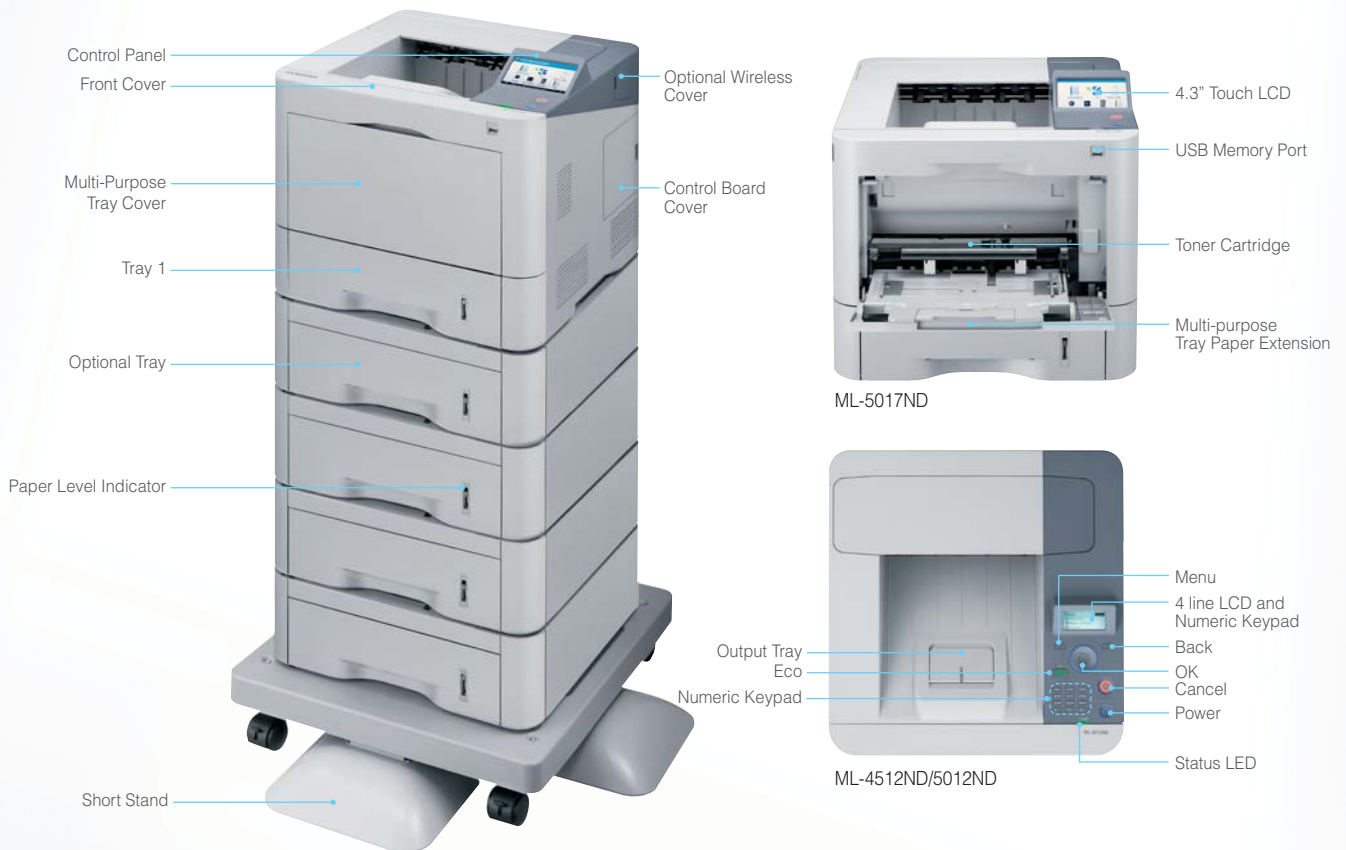


Samsung Monochrome Laser Printer  
ML-4512/5012/5017 Series



It is a serious business, running a business. So you need to know that everything is under control and moving smoothly, and that the investments you make add real value. Today, a business printer is much more than just a printer; it's a high performance, productivity boosting business tool, and you need a printer on which you can rely. Offering outstanding productivity and versatility, the Samsung Monochrome Laser Printer ML-4512/5012/5017 series effortlessly combines performance with simplicity to create the ideal workgroup printer.

## Configuration



## Option & Supplies





## Hassle-free business printing

Packed with performance and functionality, yet still small and quiet enough to fit into any workgroup, the Samsung ML-4512/5012/5017 series has been designed to ensure that your valuable time isn't wasted by poor printer performance.

### Reliable Paper Handling

The high monthly duty cycle of up to 200,000 sheets ensures that the Samsung ML-4512/5012/5017 series copes easily with the pressures of a busy workgroup or office. While our unique jam-preventing technology, which by using a new friction roller system, significantly reduces the occurrence of multiple sheet pickups, misfeeds and paper jams – keeping your workgroups working, rather than dealing with paper-handling issues.



Samsung new friction roller



Conventional friction pad

### Ease of Use

Designed with all types of users in mind, the Samsung ML-4512/5012/5017 printer series delivers user-friendly functionality that enhances productivity and maximizes value. The simple to use 4.3" touch screen<sup>1</sup> or 4-line LCD control panel and numeric keypad<sup>2</sup> offer access to a wide array of features and settings, regardless of technical ability, and one touch of the ECO Print Button saves paper and reduces toner consumption by up to 30%.

For busy workgroups, low noise levels keep the distraction to a minimum, while a USB port on the front panel<sup>3</sup> of the printer enables users to quickly print compatible files<sup>4</sup> directly from a USB memory device – without the need to connect to a PC.



1: ML-5017ND only  
 2: ML-4512ND and ML-5012ND models only  
 3: ML-5012ND and ML-5017ND models only  
 4: Includes PRN (with suitable driver support), BMP, TIFF, JPEG and PDF file types



## Economy as standard

Designed with economic printing in mind, the Samsung ML-4512/5012/5017 series delivers the savings your budget needs by offering a range of innovative features and consumables.

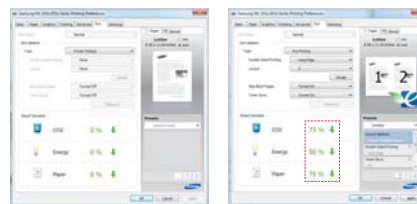


## Planet-friendly Printing



With just one touch of the convenient one-touch ECO setting, users can select options such as automatic duplex or 2-up printing, where two pages are printed per sheet of paper. This enables them to save paper and reduce their toner consumption by up to 30%.

The unique Samsung Result Simulator expands this further by providing a graphic representation of how much you can save on your CO<sub>2</sub> emissions, power consumption and paper usage, depending on the options you select.



ECO mode off

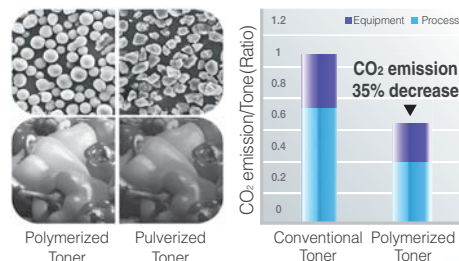
ECO mode on  
Duplex, 2-up Printing

- Carbon Footprint : Reduce **73%**
- Power Consumption : Reduce **50%**
- Paper Used : Reduce **75%**

## Pocket-friendly Technology

Samsung's Polymerized toner produces sharper images and lines, thanks to smaller, more uniform toner particles compared to traditional toner. The improved print resolution and glossier finish enables you to easily produce professional looking documents. The unique format of the toner enables the printer to transfer the print onto the paper in a thinner, more uniform layer. This reduces waste and requires a lower fusing temperature, reducing the cost per page and overall power consumption.

By separating the toner and drum cartridge, Samsung has enabled users to reduce TCO even further by replacing the drum unit only when required, rather than with every new toner cartridge. Add to this the extra-high capacity toner cartridge, and you have a truly economical office printing solution.





## Performance at its best

Utilizing the latest technology, the Samsung ML-4512/5012/5017 series delivers the high-quality, productivity boosting print performance your workgroups demand.

### Powerful Performance

A 600 MHz dual-core processor with Samsung's state-of-the-art System-On-Chip Technology delivers powerful performance levels, while 1 Gbit LAN support and memory expandable up to 768 MB<sup>5</sup> enables large documents to be received and processed quickly from multiple users. This, along with fast print speeds of up to 50 ppm<sup>6</sup> (Letter) and a First Print Out Time of less than 7 seconds means that, no matter what a user wants to print, they won't be required to wait for their documents.

	Samsung ML-4512/5012/5017	Competitor A	Competitor B
FPOT (Ready)	7 sec	8.5 sec	7.5 sec
CPU	600 MHz Dual Core	540 MHz	600 MHz
N/W	1 Gbit	1 Gbit	10/100 Mbit (1 Gbit Optional)
Test Result	86 sec	225 sec	176 sec

\* Test Result from Samsung QA Team



### Impressive Capabilities

The Samsung ML-4512/5012/5017 series offers a wide range of paper handling capabilities, including: duplex as standard, higher than average paper capacity (up to 2,700 sheets at 80g/m<sup>2</sup>), heavier media compatibility. Both the Main tray and Multi-purpose tray can manage envelopes, card stock, and other special media, so users can achieve the high quality documents they need, regardless of the type of media they use. For users with more sophisticated requirements, there is a full range of paper handling options available, including additional paper cassette feeders, stapler finisher, and Mailboxes.

5: ML-5012ND and ML-5017ND models only. ML-4512ND: max 640 MB  
 6: ML-4512ND: 45 ppm (Letter), ML-5012ND: 50 ppm (Letter), ML-5017ND: 50 ppm (Letter)





## Effective Solutions

Managing an effective print environment requires much more than high-quality network print devices. Today's businesses demand productive solutions that answer specific needs within their enterprise. Samsung's extensive range of print and document management solutions do exactly that – combining quick, high quality print, with seamless network integration and compliance, all supported by the very latest device, workflow, and security functionality.



## Device Management



- A **Secure Pull-Printing** function is provided at no additional cost. For enabled users, documents are only released for printing when they enter their pin code at the device. This removes the issue of sensitive or confidential information being left on the printer.



- **Samsung SyncThru Web Service** uses a familiar web interface to remotely manage your printer devices – enabling you to check status information, customize settings and receive email alerts all from the comfort of your desk.



- Samsung's **Barcode printing** printing solution integrates seamlessly into enterprise applications. Embedded barcode fonts within the device improve the efficiency of automatic data collection processes and lower associated costs.



- **Easy Print Manager** enables you to locate and manage all your Samsung device and print settings from one simple location right down to ordering supplies.



- Samsung's managed print service **CountThru™** enables you to remotely monitor activity, and calculate and manage the costs of your entire printer fleet



- The Samsung **Universal Print Driver** facilitates quick and easy printer sharing, by enabling you to print to any Samsung device without having to install a driver for every networked printer. You can dynamically search for compatible devices on the network and check their status; enabling users to only use available printers and dramatically reduce calls to the IT helpdesk.



- **Samsung SyncThru™ Web Admin** manages networked, single and multifunction print devices. SyncThru™ Web Admin provides increased efficiency and productivity by allowing IT administrators, support staff and users to manage, monitor and diagnose multiple printing devices remotely via a familiar Web interface.



- **Samsung AnyWeb Print** is a handy tool that enables you to collect and only print the information you need from the web – reducing not only waste, but also time and energy too.