



ML-4050N

High Performance 40-ppm Network Ready Workgroup Printer for the SMB and Corporate customer



Target Markets

- Education
- Finance
- Government
- Healthcare
- Manufacturing

High speed, high monthly-duty-cycle, great paper handling, and one of the lowest costs-per-page in its class makes the ML-4050N a perfect workhorse for corporate and SMB workgroups in almost any vertical market. PCL5e and legacy emulations enable drop in plug-n-play in most government, educational, and healthcare facilities with existing custom applications. The optional hard drive adds PIN Code enabled secure printing, delayed printing, barcodes, and forms overlay features along with job management utilities.

Product Highlights

- **Very low 0.99¢ Cost Per Page**; even lower when using one-button TonerSave™
- **Standard 1-year On-Site Warranty** or Advanced Replacement Warranty
- **Free Fuser and Maintenance Kits** when combined with Extended Warranties
- Fast **40-ppm speed with 8.1 sec. First-page-out-time**
- Heavy durability with **200,000-Pages-per-Month Duty Cycle**
- **2,100 Sheet Paper Capacity** when fully configured
- PCL5e, PCL6, Postscript, and legacy emulators built-in
- User Installable Duplex Option
- Optional 40 GB Hard Disk Drive Solutions include PIN Code secure printing, forms overlay, barcodes, and more ...

Key Features – Benefit & Advantage

Feature	Benefit	Advantage
40-ppm print speed with 8.1 sec First-page-out-time	Best for responsive printing of large documents and front office print-on-demand applications.	20% faster than most printers in the price range of the ML-4050N.
200,000-ppMo. Duty Cycle	Ensures reliable operation in busy offices and workgroups.	15% higher than the equivalent HP product
0.99¢ per page operating cost	Very-Low Total Cost of Ownership	30% savings over the life of the printer versus other leading brands
2,100 sheet paper capacity when fully configured	Reducing the need to reload paper when printing large jobs	Easy user upgrade when business needs grow
TonerSave™	Additional operational savings	40% more toner cost savings when enabled
PCL5e, PCL6, PS3, Epson, and ProPrinter emulators	Plug-n-play compatibility with existing software and drivers in enterprise networks.	Broader support for legacy software applications in hospitals, schools, and other corporate environments.
Optional 40 GB HDD	Enables secure printing with PIN Code, fast forms overlay, job retention, and print job management	Feature not always found on higher performance printers.
SyncThru Web Admin Service 4.0 Software with Pro Plug-ins	Easy to use web-browser based software for system administrators.	Ships with web-based management tool to configure, monitor, diagnose, and manage SNMP compliant printers.

Competitive Comparisons

		Samsung ML-4050N	HP LJ4240n	Lexmark T640n	Dell 5210n
	CPP	0.99 ¢	1.49 ¢	1.44 ¢	1.05 ¢
Print Engine	Speed	40 ppm	40 ppm	35 ppm	40 ppm
	Resolution	1200 X 1200 dpi	1200 X 1200 dpi	1200 x 1200 dpi	1200 x 1200 dpi
	FPOT	8.1 sec	< 8 sec	6 sec	< 9 sec
	Duty Cycle	200,000 ppMo	175,000 ppMo	200,000 ppMo	200,000 ppMo
	Toner Yield	Standard: 10K High Yield: 20K	Standard: 10K	Standard: 6K High Yield: 21K	Standard: 10K High Yield: 20K
Controller	Processor	400 MHz	460 MHz	400 MHz	400 MHz
	Memory	64 MB (Up to 512 MB)	64 MB (Up to 512 MB)	64 MB (Up to 576 MB)	64 MB (Up to 576 MB)
	Emulations	PCL5e/6, PS3, IBM, Epson	PCL5e/6, PS3, PDF	PCL5e/6, PS3, PPDS, PDF	PCL5e/6, PS3, PDF
	Interfaces	USB 2.0, IEEE1284, 10/100 Base TX	USB 2.0, IEEE1284, 10/100 Base TX	USB 2.0, IEEE1284, 10/100 Base TX	USB 2.0, IEEE1284, 10/100 Base TX
Paper Handling	Input	500 sheet Cassette 100 sheet MP Tray	250 sheet Cassette 100 sheet MP tray	250 sheet Cassette 100 sheet MP tray	500 sheet Cassette 100 sheet MP tray
	Output	250 sheet Face Down 100 sheet Face Up	250 sheet Face Down 50 sheet Face Up	250 sheet Face Down	250 sheet Face Down 100 sheet Face Up
	Duplex	Option	Option	Option	Option
Other Options	Paper Handling	3x 500 sheet 2 nd Cassette	2x 500 sheet 2 nd Cassette 1,500 sheet HCI Tray, Stacker/Stapler, Envelope Feeder, Stand	250, 500, 2K 2 nd cassettes 650, 1850 output stackers 5 bin Mailbox, Stapler, Envelope Feeder	4x 500 2 nd cassettes 3x 650 sheet output stackers, Envelope Feeder
	Memory	32, 64, 128, 256 MB	64, 128, 256, 512 MB	64, 128, 256 MB : 32, 64 MB Flash	128, 256, 512 MB
	Network	802.11b/g Wireless	802.11b/g Wireless External BlueTooth	Coax/Twinax, Token Ring Int/Ext 802.11g Wireless	802.11b/g Wireless
	HDD	40 GB internal	20 GB int., CF Memory	20 GB internal	none

Specification Summary

Print	Speed	Up to 40 ppm in Letter
	Resolution	Up to 1,200 x 1,200 dpi effective output
	FPOT	8.1 seconds (from Ready)
	Duty Cycle	200,000 ppMo
Controller	Toner Yield	Standard Cartridge: 10,000 Pages High-Yield Cartridge: 20,000 Pages (ISO 19752 5% coverage)
	Processor	Samsung 400 MHz
	Memory	64 MB (expandable to 512 MB)
	Emulation	PCL5e, PCL6, PostScript3, IBM ProPrinter, Epson
	Interfaces	USB 2.0, IEEE1284 Parallel, Ethernet 10/100 Base TX
Paper Handling	Compatibility	Windows98/ME/NT4.0/2000/XP(32/64bits)/ Vista(32/64bits)/2003 Server(32/64bits) : NetWare 4.x, 5.x, 6.x : Mac OS 8.6~9.2, 10.1~10.4 : Various Linux OS including Red Hat 8~9, Fedora Core 1~4, Mandrake 9.2~10.1, and SuSE 8.2~9.2 : Unix HP-UX
	Input	500-sheet Cassette, 100-sheet Multi Purpose Tray
	Output	250-sheet Face Down, 100-sheet Face Up
	Duplex	User installable option with up to 27 ipm
Options	Network	802.11b/g Wireless LAN (Internal)
	Others	3 additional 500-sheet 2 nd Cassettes with maximum of 2,100 pages Memory : 32 MB, 64 MB, 128 MB, 256MB Duplex Unit 40GB Hard Disk Drive

Consumables, Options, and Extended Warranties:

Standard Black Toner Cartridge	ML-D4550A
Hi-Yield Black Toner Cartridge	ML-D4550B
Second Paper Cassette – 500 sheet	ML-S4050A
Duplex Unit	ML-U4050A
802.11b/g Wireless LAN card	ML-NWA10L
40 GB Hard Disk Drive	ML-3560MH
32 MB Memory Upgrade	ML-MEM110
64 MB Memory Upgrade	ML-MEM120
128 MB Memory Upgrade	ML-MEM130
256 MB Memory Upgrade	ML-MEM140
1 Year Extended Warranty	ML-DE1GD
2 Year Extended Warranty	ML-DE2GD
3 Year Extended Warranty	ML-DE3GD
4 Year Extended Warranty	ML-DE4GD