



# ML-455 IN/455 INDR



Shown with one optional 2<sup>nd</sup> cassette

**High Performance 45-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-455 IN a perfect workhorse for corporate and SMB workgroups in almost any vertical market. PCL5e, Epson, and IBM 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 < 1.0 ¢ Cost Per Page**; even lower when using TonerSave™ feature
- **Fast 45-ppm speed with < 8.5 sec. First-page-out-time**
- **Standard 1-year On-Site Warranty** or Advanced Replacement Warranty
- **Free Fuser and Maintenance Kits** when combined with Extended Warranties
- Heavy durability with 200,000-Pages-per-Month Duty Cycle
- 2,100 Sheet Paper Capacity when fully configured with 5 paper sources
- PCL5e, PCL6, Postscript, PDF-Direct, Epson, and ProPrinter emulators built-in
- Fast 500 MHz processor with 128 MB of DDR memory for powerful performance
- Optional 40 GB Hard Disk Drive Solutions include PIN Code secure printing, forms overlay, barcodes, and more ...

### Key Features – Benefit & Advantage

Feature	Benefit	Advantage
<b>45-ppm print speed with &lt; 8.5 sec First-page-out-time</b>	Best for responsive printing of large documents.	Quick response for printing high volume production documents.
<b>200,000-ppMo Duty Cycle</b>	Ensures reliable operation in busy offices and workgroups.	Rugged reliability for big print jobs
<b>&lt;1 ¢ per page operating cost</b>	Very-Low Total Cost of Ownership	30% savings over the life of the printer versus other leading brands
<b>2,100 sheet capacity when fully configured with 5 paper sources</b>	Reducing the need to reload paper when printing large jobs	Allows for unattended operation and printing on special papers and forms.
<b>TonerSave™ feature</b>	40% more toner cost savings when enabled, resulting in 0.6 cents-per-page!	Best TCO in its class
<b>PCL5e, PCL6, PS3, Epson, and ProPrinter emulators</b>	Plug-n-play compatibility with existing software and drivers on enterprise networks.	Broader support for legacy software applications in hospitals, schools, and other corporate environments.
<b>Optional 40 GB HDD solutions</b>	Enables secure printing with PIN Code, fast forms overlay, job retention, and print job management	Great for storing big print jobs for off hour printing.

## Competitive Comparisons

		Samsung ML-455 IN	HP LJ4250n	Lexmark T642n	Dell 5310N
	<b>CPP</b>	<b>0.99 ¢</b>	<b>1.12 ¢</b>	<b>1.45 ¢</b>	<b>0.93 ¢</b>
<b>Print Engine</b>	<b>Speed</b>	45 ppm	45 ppm	45 ppm	50 ppm
	<b>Resolution</b>	1200 X 1200 dpi	1200 X 1200 dpi	1200 x 1200 dpi	1200 x 1200 dpi
	<b>FPOT</b>	< 8.5 sec	< 8 sec	< 8.5 sec	< 9 sec
	<b>Duty Cycle</b>	200,000 ppMo	200,000 ppMo	225,000 ppMo	250,000 ppMo
	<b>Toner Yield</b>	Standard: 10K High Yield: 20K	Standard: 10K High Yield: 20K	Standard: 6K High Yield: 21K	Standard: 10K High Yield: 20K, 30K
<b>Controller</b>	<b>Processor</b>	500 MHz	460 MHz	457 MHz	514 MHz
	<b>Memory</b>	128 MB (Up to 512 MB)	64 MB (Up to 512 MB)	128 MB (Up to 640 MB)	128 MB (Up to 640 MB)
	<b>Emulations</b>	PCL5e/6, PS3, PDF, IBM, Epson	PCL5e/6, PS3, PDF	PCL5e/6, PS3, PPDS, PDF	PCL5e/6, PS3
	<b>Interfaces</b>	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 Direct	USB 2.0, IEEE1284, 10/100 Base TX
<b>Paper Handling</b>	<b>Input</b>	500 sheet Cassette 100 sheet MP Tray	500 sheet Cassette 100 sheet MP tray	500 sheet Cassette 100 sheet MP tray	500 sheet Cassette 100 sheet MP tray
	<b>Output</b>	350 sheet Face Down 100 sheet Face Up	250 sheet Face Down 50 sheet Face Up	500 sheet Face Down	250 sheet Face Down
	<b>Duplex</b>	Option	Option	Option	Option
<b>Other Options</b>	<b>Paper Handling</b>	3 x 500 sheet 2 <sup>nd</sup> Cassette	2 x 500 sheet 2 <sup>nd</sup> Cassette 1 x 1,500 sheet Drawer, 500 Sheet Stapler/Stacker, 75 envelop Feeder	250, 500, 2K 2 <sup>nd</sup> cassettes 650, 1850 output stackers 5 bin Mailbox, Stapler, Envelop Feeder	4 x 500 2 <sup>nd</sup> cassettes 3 x 650 sheet output stackers; 85 envelop Feeder
	<b>Memory</b>	256, 512 MB	64, 128, 256, 512 MB	128, 256, 512 MB : 32, 64 MB Flash	128, 256, 512 MB
	<b>Network</b>	none	Int. 802.11b,Ext. 802.11g External BlueTooth	Coax/Twinax, Token Ring Int/Ext 802.11g Wireless	Int/Ext 802.11b/g Wireless
	<b>HDD</b>	40 GB internal	20 GB internal	20 GB internal	none

## Specification Summary

<b>Print</b>	<b>Speed</b>	Up to 45 ppm in Letter
	<b>Resolution</b>	Up to 1,200 x 1,200 dpi effective output
	<b>FPOT</b>	< 8.5 seconds (from Ready)
	<b>Duty Cycle</b>	200,000 ppMo
<b>Controller</b>	<b>Toner Yield</b>	Standard Cartridge: 10,000 Pages High-Yield Cartridge: 20,000 Pages (ISO 19752 5% coverage)
	<b>Processor</b>	Samsung 500 MHz
	<b>Memory</b>	128 MB (expandable to 512 MB)
	<b>Emulation</b>	PCL5e, PCL6, PostScript3, IBM ProPrinter, Epson, PDF-Direct
	<b>Interfaces</b>	USB 2.0, IEEE1284 Parallel, Ethernet 10/100 Base TX
<b>Paper Handling</b>	<b>Compatibility</b>	Windows 95/98/Me/NT4.0/2000/XP/2003 Server; Linux OS including Red Hat, Caldera, Debian, Slackware, SuSE and Turbo Linux; Mac OS 8.6~9.2/10.1~10.4
	<b>Input</b>	500-sheet Cassette, 100-sheet Multi Purpose Tray
	<b>Output</b>	250-sheet Face Down, 100-sheet Face Up
<b>Options</b>	<b>Duplex</b>	User installable option with 30 ipm print speed (standard in ML-455 INDR model)
	<b>Others</b>	Up to 3 additional 500-sheet 2 <sup>nd</sup> Cassette Memory : 128 MB, 256MB; 40GB Hard Disk Drive Duplex Unit

### Consumables, Options, and Extended Warranties:

Standard 10K Black Toner Cartridge	ML-D4550A
Hi-Yield 20K Black Toner Cartridge	ML-D4550B
Second Paper Cassette – 500 sheet	ML-S4550A
Duplex Unit	ML-3560U1
40 GB Hard Disk Drive	ML-HDK210
128 MB Memory Upgrade	ML-MEM150
256 MB Memory Upgrade	ML-MEM160
1 Year Extended Warranty	ML-DE1GD
2 Year Extended Warranty	ML-DE2GD
3 Year Extended Warranty	ML-DE3GD
4 Year Extended Warranty	ML-DE4GD