

3. Specifications

Product specifications are subject to change without notice. See below for product specifications.

3.1 General Specifications

ITEM	DESCRIPTION
Print Technology	Non-impact Electro-photographic Printing
Developing system	Non-Magnetic, Mono-Component Developing System
Print Speed ⁽¹⁾	16 PPM : A4 size , 5% Character pattern (ML-1510 : 14PPM) 17 PPM : Letter size , 5% Character pattern (ML-1510 : 15PPM)
Resolution	ML-1710 / ML-1510 : True 600 X 600 DPI ML-1750 : 1200 X 600 DPI
Source of Light	Laser diode (LSU : Laser Scanner Unit)
Warm-Up Time	Power-on boot : 30 seconds or less
First Print Out Time	Less than 12 seconds (Ready to 1st page out)
Media Size	75 X 125 (3" X 5") mm to 216 X 356 (8.5" X 14")mm
Media Thickness	16 ~ 24 lb
Dimension(W X D X H)	352 (13.8") X 372 (14.6") X 196 (7.7") mm
Weight	Net : 7 Kg /15.4 lb Gross : 9.5 Kg (Max.)
Acoustic Noise ⁽¹⁾	Stand by : Less than 35 dB Printing : Less than 50 dB
Power save mode	Available
Toner save mode	Available
Duty Cycle	Monthly : 15,000 pages maximum
Periodic Replacing Parts ⁽²⁾	Pick Up Roller : 60,000 Sheets Feed Roller : 60,000 Sheets Transfer Roller : 60,000 Sheets Fuser Assembly : 60,000 Sheets

(1) For measuring the printing speed, count the papers which outputted within one minute from when the second page starts to be printed. (A4, 5% character pattern standard)

(2) The life span of the consumption parts can be checked by printing the demo page or the system list. (Refer to the 6.3 Receive the service information)

3.2 Controller Specification

ITEM	DESCRIPTION	
	ML-1710 /ML-1510	ML-1750
Processor(CPU)	Samsung Jupiter4 90MHz	Samsung SPGPm 166MHz
OS Compatibility ⁽¹⁾	Win 98x/ME/2000/XP, Various Linux OS,Mac (Mac OS 8.6 ↑)	Win 9x/NT4.0/ME/2000/XP Various Linux OS,Mac (Mac OS 8.6 ↑)
Memory	FLASH ROM(PROGRAM) : 0.5MB flash	
	RAM : 2 MB (ML-1510), 8 MB (ML-1710/ML-1750)	
	EEPROM(NVRAM) : 512 byte	
Emulation	SPL(Samsung Printer Language)	PCL6, IBMProPrinter, EPSON
Interface	USB 1.1 - 12 Mbps 1 port	USB - USB 2.0 - 480 Mbps 1 port Parallel : IEEE 1284 - Modes supported : Compatible,Nibble,Byte,ECP External Network Adaptor(Optional)
Interface switching	Automatic	
Interface time-out	5min(Max.)	
Font	Windows Font	45 Scalable, 1 Bitmap

⁽¹⁾ The SPL series model is USB exclusive use, so it supports the environment beyond the WIN 98.

3.3 Electrical Specification

ITEM	DESCRIPTION	
Input Voltage	Nominal input voltage	200-240 VAC / 100~127VAC
	Input voltage range	189-264 VAC/ 90~132VAC
	Nominal frequency	50/60 Hz
	Frequency tolerance	+3Hz
Power Consumption	Printing : 280W Avg or less	Power Save : 10W Avg or less

3-4 Environmental Range

ITEM	OPERATING	STORAGE
Temperature	10~32 °C(50-90 oF)	-20~40 °C (-4~104 oF)
Humidity	20~80%RH	10~80%RH

3.5 TONER Cartridge (Developer)

ITEM	DESCRIPTION	REMARK
Life span	Starter: 1,000 sheets (3,000 sheets For China)	IDC 5% pattern
	Running : 3,000 sheets	
Developing	Non-magnetic Mono Component Contact Developing	
Charging	Conductive Roller Charging	
Toner checking sensor	Not Available	
Ozone	0.1PPM or less	8 hours
Style	Single cartridge	

2-Paper Handling Specifications

Please refer to "Paper Specifications" on user guide

- Input Paper Size

PAPER	DIMENSIONS	WEIGHT
A4	210 X 297 mm	60 to 90 g/m ² bond(16 to 24 lb)
Letter	216 X 279(8.5 X 11")	
Legal(Legal14")	216 X 356(8.5 X14")	
JIS B5	182 X257mm (7.2 X 10")	
Folio(Legal13")	216 X 330mm (8.5 X 13")	
Minimum size (Custom)	76 X 127mm (3 X 5")	60 to 163 g/m ² bond(16 to 43 lb)
Maximum size (Custom)	216 X 356mm (8.5 X 14")	
Transparency(OHP)	Same minimum and maximum sizes as listed above	Thickness:
Label paper		0.10 X 0.14 mm (0.0039 X 0.0055")
Envelopes		Up to 90 g/m ² bond(16 to 24 lb)

- Input capacity

Cassette: 250 sheets
Manual : 1 sheet

- Output capacity

Face Down : 50 sheets(20lb)
Face Up : 1 sheet(OHP, Label, Cut Sheet, Envelope)

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