3. Specifications

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

3.1 General Specifications

ITEM	DESCRIPTION	
ML-1700 Series	SPL (Samsung Printer Language)	ML-1510, ML-1520, ML-1710
	PCL (Printer Command Language)	ML-1750
Print Technology	Non-impact Electro-photograpic Printing	
Developing system	Non-Magnetic, Mono-Component Developing System	
Print Speed[1]	ML-15XX : Up to 14PPM in A4(15PPM in Letter)	
	ML-17XX : Up to 16PPM in A4(17PPM in Letter)	
Resolution	SPL : 600 X 600 DPI	
	PCL : Up tp 1,200 X 600 DPI effective output	
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 : ML-1510 / ML-1520 / ML-1750	
	348 (13.7") X 355 (14.0") X 193 (7.6") mm : ML-1720	
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	
	Transfer Roller : 60,000 Sheets	
	Fuser Assembly : 60,000 Sheets	

(1) To measure the printing speed print a large number of copies of a single page document. Count the number of pages which are output within one minute starting from the second page. (Samsung uses a 5% standard character pattern on A4 paper. See page 2.5)
(2) The remaining life of the consumable parts can be checked by printing the demo page or the system list.

3.2 Controller Specification

Item	Description	
	SPL-Series	**PCL-Series**
Processor(CPU)	ML-1710/1510 : Jupiter4 90MHz ML-1520 : Jupiter4E 75MHz	ML-1750 : SPGPm 166MHz
OS Compatibility[1]	Win 98x/ME/2000/XP, Various Linux OS,	Win 9x/NT4.0/ME/2000/XP Various Linux OS
Memory	FLASH ROM(PROGRAM) : 0.5MB flash	
	RAM : 2 MB (ML-1510), 8 MB (ML-1710/ML-1750, ML-1520)	
	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 models have ONLY a USB interface and so can only be used with versions of Windows from Windows 98 and onwards.

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°F)	-20~40°C (-4~104°F)
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)	ISO 5% pattern
	Running : 3,000 sheets	
Developing	Non-magnetic Mono Conponent 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: 0.10 X 0.14 mm (0.0039 X 0.0055")
Label paper		
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, Lavbel, Cut Sheet, Envelope)

MEMO

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