

2. Product Specifications

2.1 Product Overview

Item	Descriptions	Remark
Basic Model	ML-2010	
Series Model	ML-2015	
Marketing	Personal use	
Specification	<ul style="list-style-type: none"> · 20ppm(Ltr. 22ppm), Jupiter 4e 150MHz, 8Mbytes SDRAM · 1K(initial), 2K(sailles) · USB 1.1 Model(Compatible with USB 2.0), IEEE 1284 Parallel(ML-2015) · 150pages feeding, 100pages Face Down 	

2.2 Specifications

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

2.2.1 General Specifications

Item	Descriptions
Print Method	Electro-photographic Printing
Developing system	Non-Magnetic, Mono-Component Developing System
Print Speed	20 PPM : A4 size 22 PPM (Letter size)
Resolution	1200 X 600 dpi
Source of Light	Laser diode (LSU : Laser Scanning Unit)
Warm-Up Time	Cold Warm-up : 30sec, Sleep mode : 30 sec
First Print Time	Less than 10 seconds (Ready to 1st page out)
Feed Method	MPF Type
Media Size	76 X 128mm (3 x 5") to 216 X 356mm (8.5 X 14")
Paper thickness	Tray : 16 ~28 lb , Manual Feeder : 16 ~ 43 lb
Size(W X D X H)	358 ×299 ×217 mm
Weight	Net : 4.8Kg(30.6lb) with toner cartridge Gross : 7.65Kg(37.7lb)
Acoustic Noise	Stand by : Less than 35 dB Printing : Less than 53 dB
Power save mode	Yes
Toner save mode	Yes
Machine Life	50,000pages

Item	Descriptions
Periodic Replacing Parts ※Same with Machine Life	Pick Up Roller : 50,000 Pages Transfer Roller : 50,000 Pages Fuser Assembly : 50,000 Pages
	Toner Sensor Toner Type Toner Initial Toner sale
	No Non-Magnetic Contact System 1,000 sheets@ISO 5% coverage 3,000 sheets@ISO 5% coverage
Cassette	- Paper capacity : 150sheets - Paper weight : 60 ~ 163 g/ m ² / 16 ~ 43 lbs

2.2.2 Controller

Item	Descriptions
Processor(CPU)	Jupiter 4e 150MHz
Memory	Standard/Max. : 8MB(Max. 8MB)
	Type : SDRAM
	Expand Memory Slot, Type : NO
	Compression Technology : MET(Memory Enhancement Technology)
(Emulation)	Standard : SPL
	Auto Emulation Sensing : YES
*(Interface)	Standard : USB 1.1 Only(Compatible with USB 2.0)
	Option : NO
	Auto Interface Sensing : YES
Font	Type : Windows Fonts
	Number : NO
Test Print	Demo Mode : Press the Demo Key for 2 Seconds
	Configuration Mode : Press the Demo Key for 2 Seconds
	Cleaning Mode : Not Support
	Service Mode : Press the Demo Key when Power on(F/W Download)

※ ML-2015 model : I/O Support(USB 1.1 + IEEE 1284 Parallel port)

2.2.3 Electrical Specification

Item	Descriptions		Remark
Input Voltage	Nominal input voltage	EURO : 220~240VAC USA : 110~120VAC	
	Input voltage range	EURO : 198~255 VAC USA : 100~140VAC	
	Nominal frequency	50/60 MHz	
	Frequency tolerance	+3Hz	
Power Consumption	Printing : 300W Avg(Max. 500W)		
	Idling : 100W Avg or less		
	Power Save : 8W Avg or less		

2.2.4 Environmental Range

Item	Operating	Storage
Temperature	10~30°C(50-90°F)	-20~40°C (-4~104 °F)
Humidity	20~80%RH	10~80%RH

2.2.5 Toner Cartridge

Item	Descriptions	Remark
Life span	Starter: 1,000 Pages(initial)	A4 Size, ISO 19752 Pattern 5% Coverage SIMPLEX
	Running : 3,000 Pages(sales)	
Developing Method	Non-magnetic Contact Developing	
Charging Method	Conductive Roller Charging	
Toner Empty sensor	No	
Ozone	0.1PPM or less	
Cartridge Style	Single cartridge	Same as

2.2.6 Paper Handling Specifications

Please refer to "Paper Specifications" on user Guide.

2.2.6.1 Input Paper Size

Paper	paper size	Manual Feeder
A4	210 X 297 mm	O
Letter	216 X 279(8.5 X 11")	O
US Folio(Legal13")	216 X 330(8.5 X 13")	O
Legal(Legal14")	216 X 356(8.5 X14")	O
Executive	184 X 267((7.25 X10.5")	O
Statement	140 X 216(5.5 x8.5")	
ISO B5	176 X 250	O
JIS B5	182 X257	O
A5	148 X 210	O
A6	105 X148	O
No.10 Env.	105 X 241(4.15 X 9.5")	O(1 sheet)
Monarch Env.	98 X191(3.87 X 7.5")	O(1 sheet)
DL Env.	110 X 220(4.33 X 8.66")	O(1 sheet)
C5 Env.	162 X 229(6.38 X 9.01")	O(1 sheet)
C6 Env.	114 X 162(4.49 X 6.38")	O(1 sheet)
Transparency(OHP)	A4 or Letter	O(1 sheet)
Label paper	A4 or Letter	O(1 sheet)

2.2.6.2 Input capacity

Item	Descriptions
Tray	150 sheets

2.2.6.3 Output capacity

Face Down	100 sheets
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2.2.6.4 Duplex Printing

Manual Duplex (Yes)	Manual Feed Guide
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2.3 Model Comparison Table

	ML-1610 Series	ML-2010 Series	Remark
CPU	Jupiter 4e	Jupiter 4e	same
Code	Legacy	Platform	
PPM	A4 : 16ppm / Letter : 17ppm	A4 : 20ppm / Letter : 22ppm	
Memory	2MB	8MB	
Dev. Fuse	No. (New Drum Detection : No)	No. (New Drum Detection : No)	same
Resolution	300 / 600dpi	600 / 1200dpi	
SPL Driver	Unified UI	Unified UI	
Manual Duplex	No.	Yes.	
Fan	No.	Yes.	
Mech		Manual Feeder Guide : Yes	
Manual Tray LED	Green	Red	