



SG112-ex

Print large-format labels at top speed

Applications



KEY FEATURES AND BENEFITS

- 10.5-inch print width for high-resolution large format printing
- Fast and consistent throughput; print speeds up to 6 inches per second
- Increase productivity with multiple labels printed simultaneously
- Automatic label loading
- Intuitive multi-language display
- Flexible connectivity with multiple standard interfaces
- Durable and robust design

GENERAL SPECIFICATIONS / SG112-ex

PRODUCT SPECIFICATIONS			
Print Resolution		305 dpi (12 dots/mm)	
Print Speed		3, 4, 5, 6 ips (75, 100, 125, 150 mm/sec)	
Print Area	Max Width	10.5" (266.7 mm)	
	Max Length	16.5" (420 mm)	
Media Size (with liner)	Width	Continuous / Tear Off / Tray / Cutter	5.15" (131mm) - 11.8" (300mm)
		Continuous	1.29" (33mm) - 16.65" (423mm)
	Length	Tear Off	1.69" (43mm) - 16.65" (423mm)
		Tray	1.69" (43mm) - 4.72" (120mm)
		Cutter	1.69" (43mm) - 16.65" (423mm)

PRINTING SPECIFICATIONS	
Method	Thermal Transfer and Direct Thermal
Mode	Continuous, Tear-off, Cut & Print (cutter model)
MEDIA SPECIFICATIONS	
Sensor Type	I-Mark Sensor (Reflective) / Label Gap Sensor (Transmissive)
Media Type	Roll or fan-fold die cut labels
Media	
Thickness (Label & Liner)	0.0031" - 0.0106" (0.08 - 0.27 mm) *Use media 0.0047" (0.12 mm) or greater in thickness for Auto Feed mode *Use media 0.0083" (0.21 mm) or lesser in thickness for Cutter option
Roll Diameter	Maximum 8" OD (200 mm) on 3" (76 mm) core
Wind	Face-in / Face-out
Ribbon	
Length / Diameter	Maximum 984.25 ft. (300 m) / Maximum 2.76" OD (70.0 mm)
Width	5.7" - 10.7" (145 - 273 mm)
Core Diameter	1.01" ID (25.6 mm)
Wind Direction	Face-in
SATO Genuine Consumables	For maximum print quality and optimum use, SATO recommends the use of SATO genuine consumables

FONT SPECIFICATIONS	
Internal Fonts	22 Bitmap Fonts, 8 Scalable Fonts, Multi-language display and printing of Asian fonts

CONNECTIVITY	
USB 2.0 (Type A & B), LAN, RS-232C, IEEE1284, EXT, SD Card Slot, USB Type A	
MEMORY & PROCESSING	
CPU Type	32bit RISC-CPU 250MHz
On-Board Memory	Flash ROM: Standard Memory Size 40MB User area 4.5 MB SDRAM: Standard Memory Size 64MB
User Downloadable Fonts, Graphics or Format	Maximum 100 MB
USER FRIENDLY SUPPORT TOOLS	
Large Status LED	POWER (Green/Orange), ONLINE (Green), STATUS (Green/Red), LABEL (Red), RIBBON (Red).
Audible Alerts	Adjustable volume setting
Self Diagnosis	Head Open, Ribbon Open, Cutter-cover Open
Display Panel	3.3" LCD display with three color LED (green, orange, red) and brightness adjustment
Operation Buttons	LINE, FEED, FUNCTION, ENTER, CANCEL Arrow buttons
Print Setting Tool	SATO-All-In-One-Tool
Multi-national Language Support	English, Chinese, and Japanese display language options
OPTIONS	
RTC (Calendar) Kit, Catch Tray, Unwind Unit.	

BARCODE SYBLOGIES	
Barcodes	
Linear	UPC-A, UPC-E, JAN/EAN, CODE39CODE93, CODE128, GS1-128(UCC/EAN128), ISBT128, CODABAR(NW-7), ITF, Industrial 2of5, Matrix 2of5, MSI, POSTNET, BOOKLAND, GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, GS1 DataBar Expanded Stacked, Intelligent Mail Barcode (IMb). *GS1 DataBar was formerly called RSS.E
2D Sybologies	QR Code (including Micro QR) PDF417 (including MicroPDF) MAXICODE (Ver.3.0) GS1 DataMatrix (ECC200 Ver.2.0)
OPERATING CHARACTERISTICS	
Electrical Requirements	AC100 V ~ 240 V $\pm$ 10% (full range) / at 50/60 Hz.
Standards & Agency Approvals	FCC Part 15 Subpart B Class A/ICES-003 Class A, CE(EN55032, EN55024), CCC(GB/T9254-2008, GB17625.1-2012) BSMI(CNS13438), UL 60950-1/CSA C22.2 No.60950-1, CE, Nemko-GS EN60950-1, CCC(GB4943.1-2011), BSMI(CNS14336-1), BIS(IS 13252).
Environment	
Operating	41 to 104°F (5 - 40°C), 30 - 80% RH (without condensation)
Storage	23 to 140°F (-5 to 60°C), 30 - 90% RH (without condensation)

PHYSICAL CHARACTERISTICS	
Dimensions	18.70" W x 12.34" L x 12.57" H (475 mm x 313.4 mm x 319.2 mm) - 20.30" H (515.5 mm) with cover open. 6.46" (164 mm): Media exit area. 3.35" (85.1 mm): Tray - Cutter Model Only.
Weight	Standard Model (Media/Ribbon excluded): Approx. 44.1 lbs. (20.0 Kg) Cutter Model (Media/Ribbon excluded): Approx. 51 lbs. (23.1 Kg)

MISCELLANEOUS	
SNMP enabled, SBPL Command Error Mode, Maintenance notifications, Error indicators, Data save mode	

*Available in standard model and cutter model

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