Widen your horizons in labelling.

SG112-ex

Print large format labels at top speed

Applications

- Manufacturing
- Transport & Logistics
- Automotive
- Chemical

SATO

www.satoasiapacific.com

SG112-ex Technical Specification*

PRINTING SPECIFICATION			SG112-ex
Printing Method			Thermal Transfer and Direct Thermal
Resolution			12 dots/mm (305 dpi)
Print Mode	Standard Model		Continuous, Tear-off
	Cutter Model		Continuous, Tear-off, Cutter, Cut & Print
Max. Print Area	Width / Length, mm (inch)		266.7mm (10.5") / 420mm (16.5")
Media Alignment			Centered
Print Speed			75, 100, 125, 150 mm/sec (3, 4, 5, 6 ips) Default: 100 mm/sec (4 ips)
CONSUMABLES SPECIFICATION (Recommended to use printer supplies manufactured or certified by SATO)			
Media Sensor Type			I-Mark Sensor (Reflective) / Label Gap Sensor (Transmissive)
Media Thickness (Label + Liner)			80 - 270µm (0.08 - 0.27mm) *Use media 120µm (0.12mm) or greater in thickness for Auto Feed mode *Use media 210µm (0.21mm) or lesser in thickness for Cutter option
Media Type			Roll or fan-fold die cut labels
Roll Shape			Diameter maximum 200mm (8") on 76mm (3") internal core
Label Wind Direction			Face-in / Face-out
Label Size	Continuous	Width	128 - 297mm (including liner 131 - 300mm) / 5.0" - 11.7" (including liner 5.2" - 11.8")
		Length	30 - 420mm (including liner 33 - 423mm) / 1.2" - 16.5" (including liner 1.2" -16.6")
	Tear-off	Width	128 - 297mm (including liner 131 - 300mm) / 5.0" - 11.7" (including liner 5.2" - 11.8")
		Length	40 - 420mm (including liner 43 - 423mm) / 1.6" - 16.5" (including liner 1.7" - 16.7")
	Tray (Cutter Model Only)	Width	128 - 297mm (including liner 131 - 300mm) / 5.0" - 11.7" (including liner 5.2" - 11.8")
		Length	40 - 117mm (including liner 43 - 120mm) / 1.6" - 4.6" (including liner 1.7" - 4.7")
	Cutter (Cutter Model Only)	Width	128 - 297mm (including liner 131 - 300mm) / 5.0" - 11.7" (including liner 5.2" - 11.8")
		Length	40 - 420mm (including liner 43 - 423mm) / 1.6" - 16.5" (including liner 1.7" - 16.7")
Ribbon	Width		145 - 273mm (5.7" - 10.7")
	Length / Diameter		300m (984.25ft.) maximum / Ø 70.0mm maximum
	Core Diameter		Inside Diameter : Ø 25.6mm
	Wind Direction		Face-in
SYMBOLOGIES			
Linear Barcode			UPC-A, UPC-E, JAN/EAN, CODE 39, CODE 93, CODE 128, 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
2D Code			QR Code (including Micro QR), PDF417 (including MicroPDF), MAXICode (Ver.3.0), GS1 DataMatrix (ECC200 Ver.2.0)
ELECTRICAL SPECIFICATION (INTERFACE CHARACTERISTICS)			
Interfaces	USB (Type A & B)		2.0 High Speed *Type A implemented in front of printer
	LAN		10BASE-T/100BASE-TX auto-switching Protocol TCP/IP: LPR, FTP, TELNET, SNMP, SNTP, IPv4 / IPv6
	RS-232C		DSUB 9 pin
	IEEE1284		Amphenol 36 pin
	EXT		Amphenol 14 pin dedicated connector
	SD Card Slot		1 slot
On-Board Memory	Flash ROM		Standard Memory Size 40MB User Area 4.5MB
	SDRAM		Standard Memory Size 64MB
CPU Type			32bit RISC-CPU 250MHz
LCD Specifications			Graphic LCD (Horizontal 128 dots x Vertical 64 dots) with backlight (White/Orange switchable), Displayed languages: English, Simplified Chinese, Japanese
LED Specifications			POWER (Green / Orange), ONLINE (Green), STATUS (Green / Red), LABEL (Red), RIBBON (Red)
OPERATING CHARACTERISTICS			
Power Supply	Input Voltage / Frequency		AC100V ~ 240V ±10% (full range) / at 50/60Hz
Size			W475mm x D313.4mm x H319.2mm (H515.5 mm with cover open). 164mm: Media exit area. 85.1mm: Tray (Cutter Model Only)
Weight	Standard Model		Approx. 20.0kg / 44.1lbs. (Media/Ribbon excluded)
	Cutter Model		Approx. 23.1kg / 51lbs. (Media/Ribbon excluded)
Temperature	Operating Environment		5 - 40°C (Non-condensing)
	Storage Environment		-5 - 60°C (Non-condensing)
Humidity	Operating Environment		30 - 80% RH (Non-condensing)
	Storage Environment		30 - 90% RH (Non-condensing)
MISCELLANEOUS			
Operation Buttons			LINE, FEED, FUNCTION, ENTER, CANCEL, ARROW BUTTONS
Printer Setting Tool			SATO All-In-One Tool
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)
Self-diagnostic Function			Head breakage check, Label end detection, Ribbon end detection, Ribbon near end detection (Less than 15m), Cutter error (when cutter unit is installed)
OPTIONS			
Accessories			RTC (Calendar) Kit, Simple Stacker (ST-10PLUS), External Unwinder (UW-10PLUS)

*Available in standard model and cutter model

For more information about SATO in Asia Pacific region, please click here to visit our website or scan QR code