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Industrial Thermal Printer

SG112-ex

Print large-format labels at top speed

Applications

- Manufacturing
- Transport & Logistics
- Automotive
- Chemical
- Retail

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

www.satoamerica.com/SG112ex

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)
	Length	**Continuous**	1.29" (33mm) - 16.65" (423mm)
		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 SYMBOLOGIES

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 Symbologies

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 ±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

SATO AMERICA

CORPORATE
14125 South Bridge Circle
Charlotte, NC 28273
Phone: (704) 644-1650
sales-sal@sato-global.com

LABEL MANUFACTURING, SERVICE & SALES
UNITED STATES MEXICO CENTRAL AMERICA
CANADA CARIBBEAN

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