

# The Revolutionary Printer

Portable,  
Handy  
Smart



## TH2

### INDUSTRY VERTICALS

- Food Manufacturing (Preparation)
- Hospitality & Commercial Services
- Food Distribution & Services
- Retail

### APPLICATIONS

- Price marking & price markdown
- Shelf labelling
- Food preparation labelling
- Parking Tickets/ Receipts
- Food safety labelling
- Ingredient labelling
- Small goods labelling (E.g. Cosmetics, jewellery)
- Stock control
- Item identification
- Incoming goods labelling

### FEATURES

- Compact
- Portable, battery operated printer
- Real time calendar for date coded labelling
- Wide and adjustable LCD screen display
- Easy file transfer/ update of product lists
- Supports 2D barcode printing
- Multiple Interface – USB/ LAN
- Supports multiple language printing & display

### ACCESSORIES



**Cutter**  
Cuts and separates each label from another for easy application

#### ▶ User-configurable Printer with AEP Technology

Powered by AEP (Application Enabled Printing) Printer Technology, use the TH2 to create any printer application without the need to modify printer firmware.

#### ▶ AEP Software

- AEP Works™: Create custom label designs, manage data-base and files
- PSIM (Printer Simulator): Virtually preview printer operation, LCD menus and printed label layouts
- TH2 Downloader: Transfer files from PC to printer

#### ▶ Standalone Printing Capability

- Built-in keypad, no need for PC

#### ▶ High Resolution Printing

- Prints text, graphics, linear and 2D barcodes

#### ▶ Anti-Microbial Casing

- Ideal for clean environments where hygiene control and contamination prevention is vital (E.g. Food preparation)

# General Specifications

TH2



## PRINTER MODEL

TH2

### PRINT SPECIFICATIONS

Print method	Direct thermal method
Print resolution	8 dots/mm (203dpi)
Max. print speed	100 mm/sec (4ips)
Max. print area	(WxP) 56mm x 156mm (2.2" x 6.14")
CPU	32bit RISC-CPU
Printer Body Memory	Main memory (Flash ROM): 12MB, 8 MB SDRAM

### MEDIA SPECIFICATIONS

Sensor type		I-Mark Sensor, Label Gap Sensor	
Media	Label size	Continuous	L: 16 ~ 156mm (0.9" to 6.1"), With backing paper: 19 ~ 159mm (0.7" to 6.2") W: 25 ~ 60mm (0.9" to 2.3"), With backing paper: 28 ~ 63mm (1.1" to 2.4")
		Cutter	L: 16 ~ 156mm (0.6" to 6.1"), With backing paper: 19 ~ 159mm (0.7" to 6.2") W: 25 ~ 60mm (0.9" to 2.3"), With backing paper: 28 ~ 63mm (1.1" to 2.4")
		Tear-off	L: 16 ~ 156mm (0.6" to 6.1"), With backing paper: 19 ~ 159mm (0.7" to 6.2") W: 25 ~ 60mm (0.9" to 2.3"), With backing paper: 28 ~ 63mm (1.1" to 2.4")
		Dispenser	L: 16 ~ 117mm (0.6" to 4.6"), With backing paper: 16 ~ 120mm (0.6" to 4.7") W: 25 ~ 60mm (0.9" to 2.3"), With backing paper: 28 ~ 63mm (1.1" to 2.4")
		Linerless (w/o cutter)	L: 25.4 ~ 100mm (1" to 3.9"), W: 28 ~ 60mm (1.1" to 2.3")
		Linerless (with cutter)	L: 45 ~ 100mm (1.7" to 3.9"), W: 28 ~ 60mm (1.1" to 2.3")
	Label thickness	0.14 ~ 0.19mm (0.005" x 0.007")	
Wind Direction	Face-in/Face-out		
Media roll size	Max external diameter: 75mm (2.9"), Paper core internal diameter: 26mm (1.0")		

### FONT/SYMBOLOGIES

Standard fonts	Bitmap fonts	M 13x20, S 8x15, U+XU 5x9 (Alphanumeric, Symbols), X1 20x50(Alphanumeric, Symbols), X2 8x20(Alphanumeric, Symbols), X3 13x21(Alphanumeric, Symbols), OCR-B 20x24(Alphanumeric Capital), PRICE Character 16x24 (Number, Period, Currency Mark), POP1 28x48(Number, Currency Mark, Comma), POP2 48x68(Number, Currency Mark, Comma), POP3 26x56(Number, Currency Mark, Comma), Support subscript (e.g. the 2 in H <sub>2</sub> O) (Numbers Only) X1, X2, X3
	Rasterized fonts	Sato Sans, Sato Serif
Barcode	1D barcode	UPC-A/E, JAN/EAN-8/13, Code 39, Code 128A/B/C, GS1-128 (UCC/EAN128), Codabar (NW-7), Interleaved 2 of 5, Bookland (2-5 char add-on code), GS1 Databar (RSS14)
	2D barcode	QR Code (Including Ver.8.1 Micro QR), Datamatrix
Print direction		Bitmap text and barcodes 0°, 90°, 180°, 270°. True Type text can be rotated at 1° increments

### COMMUNICATION INTERFACE

Interface	USB (Full speed) or USB + LAN
Command	Lua version 5.1 pre-loaded, Lua Standard API (SATO proprietary) version 1.0

### OPERATING CHARACTERISTICS

Power requirements	AC adaptor	Input voltage AC100-240V±10%
Consumption voltage		At peak (30% printing ratio): 64.0VA/42.5W, standby: 12.6VA/6.2 W
Environment	Operating	0~40°C/30~80% RH (without condensation)
	Storage	Storage Environment: -5~60°C/30-90% RH (without condensation)
Dimension		(WxDxH): 132 x 194 x 147mm (5.19" x 7.64" x 5.79")
Weight		1.7 kg (3.78 lbs)
OPTIONS		Cutter, Rewinder, Unwinder, Barcode scanner, Battery, Battery charger

### MISCELLANEOUS

Regulatory approvals	USA / Canada: FCC15B Class B, Europe: CE (EN55022, EN55024), Singapore: IDA. China: GB9254-1998 GB17625.1 (2003), Korea: KN22, KN24
Anti-bacterial finishing	Resin of the enclosure/ control panel includes an anti-bacterial substance tested according to JIS Z 2801: Product test for antimicrobial activity and efficacy.

## Contact Us

### REGIONAL SALES HEADQUARTERS

#### AMERICAS

10350A Nations Ford Road Charlotte, NC 28273  
Tel: (704) 644-1650  
Fax: (704) 644-1662  
E-mail: [satosales@satoamerica.com](mailto:satosales@satoamerica.com)

#### ASIA PACIFIC & OCEANIA

438B, Alexandra Road,  
#09-01/02, Alexandra Technopark  
Singapore 119968  
Tel: (65) 6271-5300  
Fax: (65) 6273-6011  
E-mail: [sales@satoasiapacific.com](mailto:sales@satoasiapacific.com)

#### EUROPE

Lambroekstraat 5A, 1831 Diegem, Belgium  
Tel: (32) 2 719 03 90  
Fax: (32) 2 719 03 99  
E-mail: [info@be.satoeurope.com](mailto:info@be.satoeurope.com)

For more information about SATO around the globe, visit [www.satoworldwide.com](http://www.satoworldwide.com)