

TECHNICAL INFORMATION

PRINTING SPECIFICATION

Printing Method	Direct Thermal	
Print Mode	Continuous, Tear-off, Dispenser, Linerless	
Print Resolution	8 dots/mm (203 dpi)	
Print Speed	3, 4, 5, 6ips (76, 101, 127, 152mm/sec) Linerless and Dispenser: Up to 4ips (101mm/sec)	
Max. Print Area	Width	55mm (2.17")
	Length	1000mm (39.37")
Processor	32-Bit RISC CPU	
Printer Memory	2GB ROM, 512MB RAM ; Receive Buffer: 2.95MB	

CONSUMABLES SPECIFICATION (Recommended to use printer supplies manufactured or certified by SATO)

Sensor Type	Transmissive Sensor for Gap, Reflective Sensor for I-mark		
Media Type	Roll (Die-cut, Continuous, Linerless Labels)		
Media Thickness	64 - 190µm (0.064 - 0.19mm)		
Roll Diameter	Maximum Outside Diameter: 60mm		
Label Size (Without Liner)	Continuous	Width	25.4 - 55mm (1 - 2.17") ; With Liner: 28.4 - 58mm (1.12 - 2.28")
		Length	13 - 160mm (0.51 - 6.30") ; With Liner: 16 - 163mm (0.63 - 6.42")
	Tear-Off	Width	25.4 - 55mm (1 - 2.17") ; With Liner: 28.4 - 58mm (1.12 - 2.28")
		Length	16 - 160mm (0.63 - 6.30") ; With Liner: 19 - 163mm (0.75 - 6.42")
	Dispenser	Width	32 - 55mm (1.26 - 2.17") ; With Liner: 35 - 58mm (1.38 - 2.28")
		Length	25 - 160mm (0.98 - 6.30") ; With Liner: 28 - 163mm (1.10 - 6.42")
	Linerless	Width	50 - 58mm (1.97 - 2.28")
		Length	16 - 120mm (0.63 - 4.72")

FONTS / SYMBOLOGIES

Internal Fonts	Standard Bitmap	U, S, M, WB, WL, XS, XU, XM, XB, XL, OCR-A, OCR-B
	Scalable Fonts	SATO CG Sleek, SATO CG Stream, 13 SATO Fonts, Multi-national Language Support (47 Languages / Unicode), Single and Double Byte Fonts (Korean, Chinese, Japanese)
	Encoding	Major Latin and Pan-European Code Pages (WGL4), GB18030 (Simplified), KSX1001 (Korean), BIG5 (Traditional), JIS, SHIFTJIS, UTF-8 and UTF-16BE
Barcode	Linear	Code 39, Code 93, Code 128, CODABAR (NW7), EAN(JAN)8/13, GS1-Databar™, GS1-128 (UCC/EAN128), Interleaved 2/5, Industrial 2/5, Matrix 2/5, MSI, Bookland, Postnet™, UPC-A/E
	2D Symbologies	PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, Aztec, QR Code, Micro QR Code and Composite Symbologies

INTERFACE CHARACTERISTICS AND INTEGRATION

Standard Interfaces	USB 2.0 (Type B), Bluetooth® Ver. 3.0 (iOS Support), NFC
Optional Interfaces	Wireless LAN (WiFi Certified), WiFi Direct, IEEE 802.11a/b/g/n, Dual Band (2.4GHz, 5GHz)
Remote Maintenance	SNMP Ver. 3, HTTP (Web Interface)
Supported Printer Protocols	Standard: SBPL (SATO Barcode Printer Language) ; Emulation Languages: SPOS, SCPCL, SZPL, SDPL, SIPL, STPCL

OPERATING CHARACTERISTICS

Power Requirements	AC100V-AC240V, 50/60 Hz (AC Adapter) ; Output: DC10V + 1.0V / -0.0V 1.5A	
Environment	Operating	-5 - 40 °C / 30 - 80 % RH (Without Condensation)
	Storage	-25 - 60 °C / 10 - 90 % RH (Without Condensation)
Dimensions (W x D x H)	95mm (3.74") x 128mm (5.04") x 68.2mm (2.69")	
Weight	444g (Excluding Paper, Including Battery Weight of 105g)	
Display Panel	Organic EL Display (128 x 64 dots)	

MISCELLANEOUS

Standards & Agency Approvals	CE Marking, IEC60950-1, EN60950-1, EN55022, EN55032, EN55024, EN61000-3-2/3-3, EN 301 489-1/3/17, EN 300 330-2/-1, RE, MET/cMET, FCC15B/C/E, CCC, SRRC, IDA, SIRIM, NTC, SDPPI, RCM
Functions - Useful features	Large Status LED - Blue / Red, Audible Alerts Activated when Printer Requires Attention, Multi-National Language Support - 47 Languages Scalable Fonts for Print, Japanese / English Languages for LCD Menu
Functions - Self Diagnosis Checking	Thermal Head Check, Paper End Detection, Test Print, Cover Open Detection, Auto Power Off
Warranty	1 Year

ACCESSORIES

Included in Package	Lithium-ion Battery, Belt Clip
Optional	1-Bay / 4-Bay Charging Cradle, 1-CH Battery Charger, Lithium-ion Battery, AC Adapter, Cigarette-lighter Adapter, Standard Vehicle Mount Solution from RAM Mount, Shoulder Strap, Carrying Case



For product availability and more information, please visit www.satoasiapacific.com or scan QR code below



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Retail

Logistics and Distribution

Manufacturing

Beyond Expectation in Compact Shape



2-inch Mobile Printer

PW208NX

www.satoasiapacific.com

Beyond Expectation in Compact Shape

PW208NX is a highly productive and durable, compact 2-inch mobile printer from SATO, which is extremely suitable for various applications such as markdown in retail stores, door-to-door delivery, manufacturing, logistics and distribution due to its best-in-class print speed and superior print quality.

PW208NX

Speed

High productivity with industry's fastest throughput

- Maximum print speed of 152mm/second
- Eco-friendly smart battery for maximum efficiency

Printing Capability

Fonts and graphics

- Able to print 47 major world languages
- On-board large-capacity of 2.95MB receive buffer allows user to print graphics, 1D barcodes and 2D symbologies

Charging Options

Numerous charging options

- AC adapter, 1-Bay and 4-Bay charging cradles available for in-printer battery charging
- 1-CH battery charger available for battery charging

Connectivity

Bluetooth, USB, NFC and WLAN support

Standard Bluetooth model

- USB2.0 high speed
- Bluetooth® Ver. 3.0

WLAN model

- WLAN (IEEE802.11a/b/g/n)
- Other interfaces are the same as with standard model

NFC support

- Hand-over function in one touch
- View printer statistics



High Performance

Outstanding Robustness

Simple Operation



Enormous Intelligence (AEP)

Improve productivity, reliability and reduce cost

- Input devices like scanners can be directly connected
- Printer operation can be easily customized to business requirement
- Reduce errors and recovery expenses, minimal training required
- Faster label printing and improved productivity

Smart Batteries

Lithium-ion batteries

- Long-lasting for a full work shift
- Integrated micro-chip for intelligent functions such as indicating number of charges & dis-charges, percentage of remaining power, etc

SATO Genuine Media

Achieve the best performance and maximum output with genuine SATO consumables

- Genuine SATO consumables ensure top print quality, customer satisfaction and durability in use



Linerless labels for easy application

- Quantity of labels in a roll can be increased by up to 40%, reducing cost and number of roll changes required
- Zero liner wastage
- Lesser waste disposal results in reduced carbon emission
- Savings in storage space and transportation costs



Greater Flexibility

High print quality with 55mm print width

- Full 55mm print width (7mm larger than MB2i model)
- Intelligent ambient temperature monitoring and printer control for consistent high quality print output

Superior Compatibility

Emulations

- 3rd party emulations like SPOS, SCPL, SZPL, SDPL, SIPL, STPL allow easy replacement of existing printers

Compactness

Lightweight 444 grams

- 95mm width, 128mm depth and 68.2mm height of compactness allows user to easily carry printer through full shift
- 444 grams (including battery) lightweight model allows user to comfortably wear printer in a belt clip or shoulder strap for secured and convenient printing



Solid Form

2.5m fall-resistant

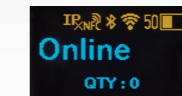
- Able to withstand impact when dropped from a height of 2.5m
- Elastomer on edges absorbs impacts and protects from fall
- High shock resistance polycarbonate body and co-molded rubber material elastomer on edge absorb shock
- Highly durable operator keys



Media Loading

Quick and easy media loading

- One-touch cover open
- Simple drop-in paper system
- One-touch label guide operation
- Universal icons for easy-to-understand operation
- Battery replacement in one touch



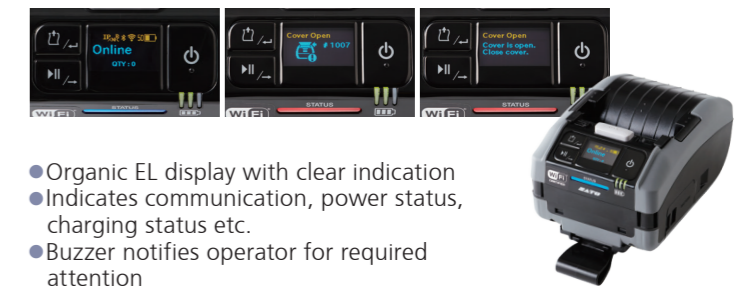
In-built linerless mode support

- Enable dispenser mode with one touch
- Printed labels without liner ready for application

Printer Alerts

Bright, clear displays and alerts

- Display indication and notification are very clear from any angle regardless of ambience



- Organic EL display with clear indication
- Indicates communication, power status, charging status etc.
- Buzzer notifies operator for required attention

Software and Tools

SATO All-in-One Tool (AIOT)

- Link to supported printer(s) via auto discovery or manual entry
- Use graphical tree view structure to organize connected printers into groups using custom folders & display names
- Configure control of any SATO printer regardless of its location in the world

SmaPri

- Allows user to easily send print jobs to SATO printers using mobile devices (Android, iOS)

Label designers

- NiceLabel, BarTender, Codesoft, Labelview, Label Matrix and more

Drivers

- Windows, SAP, SATO CUPS driver for Linux and Mac OS X



Optional Accessories*

Wide selection of charging options

1-Bay & 4-Bay Charging Cradles

Safe and secure charging by simply sliding printer into the dock. Space-saving design for use on walls, vehicles etc. Printers are fully operational during charging. Comprise of cradle, AC adaptor, power cord and installation guide.



1-CH Battery Charger

Charges a single smart battery in 3 hours. Colored indicators display charging progress. Comprises of charger, AC adaptor and power cord.



Lithium-ion Battery**

Intelligent power management and programmable sleep mode for extended battery life.



AC Adapter

Plug AC adapter into printer and charge between uses. Printer can be operated or used for printing during charging.



Cigarette-Lighter Adapter

Allows in-vehicle printer charging.



Carrying Case

Pockets for scanning devices and spare media rolls provide extra protection.



Standard Vehicle Mount Solution from RAM

RAM mount plate and arm provide printer mounting options for vehicle, forklift, POS and wall use.



Shoulder Strap

Optional shoulder strap available to make printing a hands-free solution.



*Please contact your local SATO office for product availability

**Battery is included in standard package upon purchase and also available for additional purchase if required