Small in size. High on performance.

PW2NX Series

A powerful compact 2-inch
mobile printer range

The Last Inch®
Unleashing the Power of IoT

satoeurope.com

PW2NX Technical Specification

PRINTING SPECIFICATION			PW2NX
Printing Method			Direct Thermal
Print Resolution, dots/mm (dpi)			8 dot/mm. (203dpi)
Max. Print Area	Width, mm (inch)		55 mm. (2.2")
	Length, mm (inch)		160mm. (6.3")
Max. Print Speed, mm/sec (ips)			152 mm/sec (6 ips). Intelligent control for fast, consistent printing
Display			Organic Electroluminescent display, high brightness + wide-angle viewing. Prominent red, green and blue status LEDs
CONSUMABLES SPECIFICATION. SATO labels provide optimum performance			
Sensor Type			Gap (Transmissive) and I-Mark (Reflective)
Media Type			Roll die-cut labels and continuous media with release liner. Linerless media handling as standard. Receipt paper
Media Thickness			64 to 190µm (0.064 to 0.19mm)
Label Roll	Diameter		Max. external diameter 60 mm. (2.4")
	Wind Direction		Face-out
Label Size	Continuous	Width	25.4 - 55mm. (1.0 - 2.2")
		Length	13 - 160mm. (0.6 - 6.4")
	Tear Off	Width	25.4 - 55mm. (1.0 - 2.2")
		Length	16 - 160mm. (0.6 - 6.3")
	Dispenser	Width	32 - 55mm. (1.3 - 2.2")
		Length	25 - 160mm. (1.0 - 6.3")
	Linerless	Width	50 - 58mm. (2.0 - 2.3")
		Length	16 - 120mm. (0.6 - 4.7")
FONTS / SYMBOLOGIES			
Fonts	Standard Fonts		Multiple Bitmap fonts. Helvetica Outline font. Multiple rasterized fonts. Refer to Operator Manual for full list.
Barcodes	1D Barcode		UPC-A. UPC-E. JAN/EAN. CODE 39. CODE 93. CODE 128. GS1 128(UCC /EAN 128). CODABAR (NW-7). ITF, Ind 2 of 5, Matrix 2 of 5, Customer Barcode, UPC Add-on Code, BOOKLAND, GS1 DataBar Omni-directional, GS1 DataBar Truncated, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, GS1 DataBar Expanded Stacked.
	2D Barcode		QR Code (including Micro QR), Security QR, PDF417 (including Micro PDF), MAXI Code, GS1 DataMatrix, DataMatrix (ECC200), Aztec Code
Print Rotation	Character Data / Barcode		0°, 90°, 180°, 270°
INTERFACE CHARACTERISTICS			
Interfaces	USB / Bluetooth Model		Bluetooth 3.0 with iOS support. USB 2.0 High Speed
	Wireless LAN Model		Bluetooth 3.0 EDR, iOS support. USB. IEEE802.11a/b/g/n.
	Remote management		SATO All-in-One Configuration utility. SNMP. Web Browser (Wifi).
	NFC		For fast device pairing and rapid configuration
Drivers			Windows, SAP, NiceLabel, Bartender, Teklynx, SATO CUPS driver for Linux and Mac OS
Language Emulations			SBPL, SPOS, SCPCL, SZPL, SDPL, SIPL, STPCL
OPERATING CHARACTERISTICS			
Power Requirements			AC Adaptor/charger. Input voltage AC100-240V (auto switching). Output voltage 10v DC, 1.9A
Battery			Lithium-ion Smart Battery. 7.2V, 1950 mAh
Power Saving			Smart battery with intelligent charging and usage technology. Programmable sleep functions
Dimensions			W 95 mm x D 128 mm x H 68 mm
Weight			437.8g (including battery)
Drop Testing			2.1 metres, all faces.
Casing construction			Polycarbonate and shock-absorbing elastomer
Operating temperature			-15 to 50°C (5 to 122°F). WLAN model: 0 to 50°C (32 to 122°F). In Linerless mode: 5 to 35°C (41 to 95°F)
Humidity			10 to 85% RH. WLAN model: 20 to 80% RH. In Linerless mode: 30 to 75% RH (All non-condensing)
MISCELLANEOUS			
Certifications			European compliance CE. Bluetooth MFi Certification. Wi-fi certification. FCC. ROHS compliant.
Operator Function			Operator keys and display are "Island" grouped for ease of operation. Extensive Icon-driven user functions.
Self Diagnosis Functions			Head check, Battery check, Paper end detection, Head open detection, Sensor error detection, Data error check. Overcharge / over discharge protection, Test print.
OPTIONS			
Accessories			Spare battery, Single battery charger, 1 Bay and 4 Bay Charging Cradles for vehicle, desk or wall-mounting , AC Adaptor (charges battery inside the printer). Standard and Heavy Duty Carry Cases. Shoulder Strap, Vehicle charger.

Version: February 2018. Rev A, Specification subject to change without notice.