

Small in size. High on performance.



PW2NX Series

A powerful compact 2-inch
mobile printer range

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The Last Inch[®]



Unleashing the Power of IoT



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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.

