# PW4NX
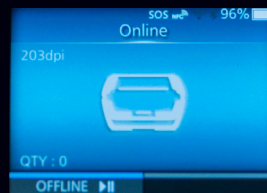
## 4-Inch Mobile Thermal Printer

# *Fast and Reliable*

### Dependable

- Robust & Rugged design that can withstand drops of 7 feet
- IP54 rated against dust and water
- Remote management via SOTI and SOS
- Easy user replacement of print head and platen roller
- Optional DC/DC forklift adapter

### Efficient

- Fast 6 ips consistent print speed
- High quality print even when the battery charge is low
- 2.4" color display
- Video tutorials

### Intelligent

- Pre-installed emulations
- Standalone printing with apps; directly connect a barcode scanner
- Connectivity for Apple, iOS, Android, and Windows

SATO AEP
Application Enabled Printing

SOS
SATO Online Services

Sato App Storage

# GENERAL SPECIFICATIONS / PW4NX

## PRINT SPECIFICATIONS

**Method**
Direct Thermal

**Mode**
Continuous, Tear-off, Cutter, Dispense, Linerless

**Print Resolution**
203 dpi (8 dots/mm)

**Print Speed**
2 – 6 ips (51 - 152 mm/sec)
Linerless & Dispenser: 2 to 4 ips (51 - 101 mm/sec)

**Max. Print Area**
Width: 4.09" (104 mm)
Length: 39.37" (1000 mm)

## MEDIA SPECIFICATIONS

**Sensor Type**
Transmissive Sensor for Gap,
Reflective Sensor for I-mark

**Media Type**
Roll (Die-cut, Continuous, Linerless Labels)

**Media Size (Without Liner)**

**Continuous**
**Width:** 1.5 – 4.37" (38 - 111 mm)
With Liner: 1.61 – 4.49" (41 - 114 mm)
**Length:** 0.51 – 12" (13 - 305 mm)
With Liner: 0.63 –12.13" (16 - 308 mm)

**Tear-Off**
**Width:** 1.5 – 4.37" (38 - 111 mm)
With Liner: 1.61 – 4.49" (41 - 114 mm)
**Length:** 0.63 – 12" (16 - 305 mm)
With Liner: 0.75 –12.13" (19 - 308 mm)

**Dispenser**
**Width:** 1.5 – 4.37" (38 - 111 mm)
With Liner: 1.61 – 4.49" (41 - 114 mm)
**Length:** 0.63 – 10" (16 - 254 mm)
With Liner: 0.75 – 10.12" (19 - 257 mm)

**Linerless**
**Width:** 1.5 – 4.49" (38 - 114 mm)
**Length:** 0.63 – 10.12" (16 - 257 mm)

**Receipt**
**Width:** 1.06" – 2.28" (27 - 58 mm)

**Media Thickness**
0.0023" – 0.0075" (0.058 - 0.1905 mm)

**Outer Roll Diameter**
Maximum Outer Diameter: 2.63" (67 mm)

**Inner Roll Diameter**
0.75" (19 mm)

**SATO Genuine Consumables**
For maximum print quality and optimum use, SATO recommends the use of SATO genuine consumables.

## COMMUNICATION INTERFACES SPECIFICATIONS

**Standard**
USB 2.0 High Speed type B mini, Bluetooth Ver.5.0 BLE, NFC 802.11a/b/g/n/r/ac Dual band WLAN (2.4 GHz, 5 GHz)

## MEMORY & PROCESSING

**Printer Memory**
8GB ROM, 1 GB RAM
Receive Buffer: 2.95MB

**Dual CPUs with a 1GHz**

## USER FRIENDLY SUPPORT TOOLS

**Large Status LED**
Blue/Red/Green (Battery)

**Audible Alerts**
Activated When Printer Requires Attention

**Self Diagnosis**
Thermal Head Check, Paper End Detection, Test Print, Cover Open Detection, Auto Power Off

**Display Panel**
2.4-inch color display (80° viewing angle)

**Remote Maintenance**
SNMP Ver. 3, web interfaces, SATO Online Services (SOS), All-In-One Tool (AIOT), SOTI Connect

**Emulation**
SBPL® (Standard), SZPL, SCPL, SIPL

**SATO All-In-One Tool (AIOT)**
Link to supported printer(s) via auto discovery or manual entry; easily send print jobs using mobile devices; Configure control any SATO printer regardless of its location in the world

## FONT SPECIFICATIONS

**Internal Fonts**

**Standard Bitmap**
U, S, M, WB, WL, XU, XS, XM, XB, XL, OCR-A, Height: 3.35" (85 mm)
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 SYMBOLOGIES

**Barcodes**

**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

## OPERATING & ENVIRONMENT CHARACTERISTICS

**Electrical Requirements**
AC100V~AC240V, 50/60 Hz (AC Adapter) ; Output: DC19V +/- 5% 2.37A

**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

**Environment**

**Operating**
5 to 122°F (-15 to 50 °C), 10-90 % RH (Without Condensation)

**Storage**
-13 to 140°F (-25 to 60 °C), 10-90 % RH (Without Condensation)

**Battery**
14.4V (2550 mAh)

## PHYSICAL CHARACTERISTICS

**Dimensions**
Width: 7.09" (180 mm)
Depth: 7.68" 04" (195 mm)
Height: 2.69" (68.2 mm)

**Weight**
3.17 lbs. (1,440g) Excluding Paper, Including battery

**Durability**
Withstands Multiple drops at 7ft (2.13 m). Rated IP54

## ACCESSORIES

**Included**
Lithium-ion Battery, Belt Clip

**Optional**
1-Bay / 4-Bay Charging Cradle, 1-CH Battery Charger, Lithium-ion Battery, AC Adapter, DC Adapter, Battery Eliminator with AC Adapter, Cigarette Adapter, Hand Strap, Belt Clip, Shoulder Strap, Carrying Case, Printer Stand, Mounting Bracket, Cold Case and Linerless Kit.

## WARRANTY

1 Year

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