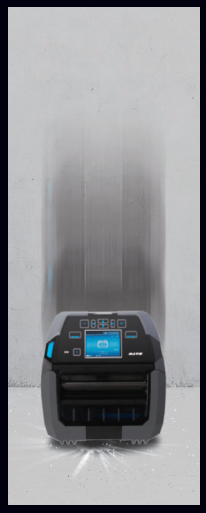
SATO
Powered On Site

PW4NX

4-Inch Mobile Thermal Printer

Fast and Reliable



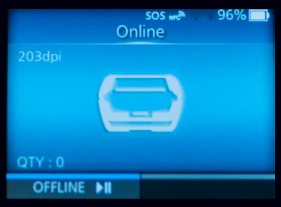
Dependable

- 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

SATO AEP Application Enabled Printing

SOS SATO Online Services

SATO App Storage



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

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®, 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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LABEL MANUFACTURING, SERVICE & SALES
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