

For the hospitals  
of tomorrow.



## WS2-2

An all-in-one hygienic 2-inch compact printer  
designed for patient safety

Patient Safety



# WS2-2



## Print wristbands and inpatient labels with one device

The WS2 is a hygienic, compact direct thermal desktop printer from SATO ideal for various healthcare scenarios. Suitable for direct use in the hospital ward due to its disinfectant-ready, antimicrobial plastic casing, the WS2 prints both patient ID wristbands and inpatient labels quickly and accurately for optimum patient safety and operator peace of mind.

The WS2 is also offered bundled with SATO patient ID wristbands as part of a competitive package, making the need to hand write labels a thing of the past.

### ✓ KEY FEATURES & BENEFITS

- **Best in Class Patient Safety:** Disinfectant-ready, antimicrobial casing (industry-first feature)
- **Print on Demand** – High-quality patient ID wristbands and inpatient/laboratory labels. Compact, lightweight design for ease of transportation
- **Save Time** – Hassle-free media loading, enhanced printer setting tools and web browser for ease of operation. Faster than market average print speed, up to 7-inch/sec
- **Integrate Easily** – Cerner accredited and ready for connection to all existing HIS/EMR systems through the standard USB and Ethernet interfaces
- **Reduced Carbon Footprint** – Less consumable wastage compared to equivalent models on the market
- **Eradicate Errors** – Draw information from existing patient management systems

## Patient safety is our priority

The compact size and light weight of the WS2 makes it easy to transport, giving operators the flexibility to print from desks and patient bedsides as required. SATO understands that space is at a premium in the hospital environment and the 2-inch WS2 has been specifically designed with this in mind. The device is up to 23% smaller than equivalent competitor models. In addition, the pure white body of the device and disinfectant ready, antimicrobial plastic casing enables hospital staff to keep the device clean and limit the contamination risk.

A key frustration for hospital staff is when multiple devices are required to print wristbands and labels. Over 50% of our customers say that they would prefer an easy to use, compact device that can support both wristband and inpatient label requirements.





## Making the switch is simple

The SATO WS2 printer is easily integrated in to existing HIS/EMR hospital systems and is validated by Cerner for use in its systems. Users can control and configure the device with its dedicated setting tool, as well as via web browser.

The user-friendly features of the setting tool include a printer search, to find all connected printers for quick access and configuration, and multi LAN to simultaneously configure a range of printers on the network. The device is also compatible with the legacy WINS to connect to a remote network by using its NetBIOS name. Once set up, the WS2 is extremely simple to operate, even for the first-time user.

Although the WS2 is optimised to work with SATO wristbands for the highest-quality print, it is also compatible with most comparable wristband and label consumables currently available on the market. So, there's no need to worry about using your existing consumables supply before switching to SATO wristbands and labels.

## WS2-2 - the smart choice for sustainability

Media changeovers in wristband and label printers – for example, from adult to infant ID wristbands – can typically result in wasted media during calibration. This is not the case with the WS2, which is ready to print from the first label every time. The advantages of this are twofold, saving time and effort for hospital employees and reducing waste and overall carbon footprint for the hospital.

### ✓ KEY FIGURES

- 23% smaller than equivalent models on the market
- Faster than average 7-inch/sec print speed
- Lightweight at only 1kg
- High-quality 203dpi & 300dpi print resolutions available

### COMPATIBLE WITH:

- ✓ Patient ID wristbands (optimised for SATO patient ID wristbands)
- ✓ Drug administration labels
- ✓ Histology sample labels
- ✓ Blood collection/transfusion labels
- ✓ Inpatient meal labels & all other types of 2inch labels







## Technical tools

- USB/LAN connectivity as standard (IPv4/v6)
- Wireless LAN option
- Multiple printer utility setup
  - Legacy Netbios/WINS compatibility
  - Multiple emulation support (SZPL, SEPL and SDPL)
- Compatible with NiceLabel and Bartender label designer software
  - Enhanced settings tool
  - Web browser settings
  - Easy firmware update by USB key



## Optional Accessories



### Cutter Kit

Supports all types of 2-inch labels



### Dispenser

Supports all types of 2-inch labels



### WLAN Kit

WLAN:IEEE802.11 b/g/n

## WS2-2 Technical Specification

Model	WS208-2	WS212-2
Print Method	Direct Thermal	
Resolution	203 dpi (8 dots/mm)	300 dpi (12 dots/mm)
Media Alignment	Centered	
Media	Max. width: 60mm, Min. width: 12mm Max length 100" (2540mm) --> 203dpi, Max length 50" (1270 mm) --> 300dpi, Min length 0.4" (10mm) 5" (127mm) OD on a 1"/1.5" (25.4/38 mm) ID core 4.5" (115mm) OD on a 0.5" (12.7mm) ID core Min. length: 25mm for cutter options	
Operation Mode	Standard: Continuous mode, Tear-off mode Optional: Cutter mode, Peeler mode	
Sensor	Reflective Sensor (Movable) Transmissive sensor Head Open Switch	
Operation Interface	2 LEDs indicators Multicolor, Button x 1	
Print Speed	2, 3, 4, 5, 6, 7 inches/sec (50, 76, 101, 127, 152, 177 mm/sec) 2 & 3ips for peel off mode	2, 3, 4, 5 inches/sec (50, 76, 101, 127 mm/sec) 2 & 3ips for peel off mode
Size	W 116 mm x H 170 mm x D 215 mm	
Weight	1 kg / 2.2 lbs	
Standard Bitmap	Bitmap support fonts of SZPL, SEPL, SDPL	
Linear Barcode	Code 39, Code 93, Code 128 (ISBT128), CODABAR (NW-7), EAN8/13, GS1 DataBar™, GS1-128 (UCC/EAN128), Interleaved 2/5, Industrial 2/5, JAN8/13, Matrix 2/5, MSI, POSTNET™, UPC-A/E	
2D Barcode	PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, Data Matrix (ECC200), QR Code, Composite Symbologies, Aztec	
Interface	USB hosts (Type A) For Firmware Update, USB device (Type B) Fast Ethernet supporting: (IPv4/IPv6, WINS/Netbios) WLAN (IEEE802.11 b/g/n, Optional)	
Programming Language	SZPL, SEPL, SDPL	
Accessories	Peeler, Full Cutter, WLAN	
On-Board Memory	Standard Memory (Flash ROM): 16 MB User Memory: 8 MB Standard Memory (SDRAM): 128 MB USB storage up to 32 GB (FAT32 format only)	
CPU Type	32 bit RISC microprocessor (600 MHz)	
Power Supply	Voltage: AC 100 V ~ 240 V ± 10 % (full range) Frequency: 50 Hz - 60 Hz ± 5 %	
Temperature	Operating: 41°F~104°F (5 °C ~ 40 °C) Storage: -4°F~140°F (-20 °C ~ 60 °C)	
Humidity	Operating: 25 %RH ~ 85 %RH (non-condensing) Storage: 10 %RH ~ 90 %RH (non-condensing)	
Software – Label editing	Windows Driver (Windows Vista/ Win 7/ Win 8/ Win 10), BarTender® from Seagull Scientific, Nice Label	
Software – Utility	Printer Tool	
Agency Listing	CB, CE, Wireless IEEE	

Version: November 2024. Rev B, Specification subject to change without notice.

For more information, please contact  
your local SATO office, or visit:

[satoeurope.com](https://satoeurope.com)

