

For the hospitals of tomorrow.



WS2

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



satoeurope.com

WS2



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.





WS2



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 - 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



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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

WS2



Dispenser Supports all types of 2-inch labels



WLAN Kit WLAN:IEEE802.11 b/g/n



WS2 Technical Specification

Print MethodDirect ThermalResolution203 dpi (8 dots/mm)300 dpi (12 dots/mm)Media AlignmentCenteredMax. witht: 60mm, Min. width: 12mm MediaMax. witht: 60mm, Min. width: 12mm Max. might: 00° (254.038 mm) ID core stription 00 on a 1°1/5° (25.4738 mm) ID core Min. length: 02° (254.038 mm) ID core Min. length: 03° (127 mm) OD on a 1°1/5° (25.4738 mm) ID core Min. length: 03° (127 mm) OD on a 1°1/5° (25.4738 mm) ID core Min. length: 03° (127 mm) OD on a 1°1/5° (25.4738 mm) ID core Min. length: 04° (100m) S'(1150m) OD on a 05° (127 mm) ID core Min. length: 05° (1270 mm) -> 300dpi, Min length 0.4° (100m) S'(1150m) OD on a 05° (127 mm) ID core Mined Open SwitchOperation ModeQationatic Continuous mode, Tearen'f mode (25.05, 010, 127, 152, 177 mm/sec) 25.34, 56, 7, 100, 127, 152, 177 mm/sec) 25.34, 130, 100, 128 mm/sec, 128, 128, 128, 118, 100, 128, 128, 118, 100, 128, 128, 128, 118, 100, 128, 128	Model	W5208	WS212
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) Si (127mm) OD on a 0.5° (12.7mm) ID core 4.5° (117mm) OD on a 0.5° (12.7mm) ID core 5.5° (12.7mm) ID core 5.5° (12.7mm) OD on a 0.5° (12.7mm) ID core 5.5° (12.7mm) ID	Print Method	Direct Thermal	
Mack Max. width: 60mm, Min. width: 12mm Media Max. length 100° (2540mm) -> 203dpi, Max length 50° (1270 mm) -> 300dpi, Min length 0.4° (10mm) Operation Mode Standard: Continuous mode, Tear-off mode Operation Mode Standard: Continuous mode, Tear-off mode Sensor Reflective Sensor (Movable) Transmissive sensor Reflective Sensor Movable) Operation Interface 2 LEDs indicators Multicolor, Button x 1 Operation Interface 2 LEDs indicators Multicolor, Button x 1 Size W 116 mm x H 170 mm x D 215 mm Weight 1 kg / 2.2 lbs Standard: God 30, Code 33, Code 128 (ISBT 128), CODABAR (NW-7), EANB/13, GS1 DataBar ¹⁴⁹ , GS1-128 (UCC/ EAN128), Interleaved 25, Industrial 25, JAN/13, Matrix 25, MS1, POSTINET**, UPC-A/E 2D Barcode PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, D=AM143, GS1 DataBar ¹⁴⁹ , GS1-128 (UCC/ EAN128), Interleaved 25, Industrial 25, JAN/13, Matrix 25, MS1, POSTINET**, UPC-A/E 2D Barcode VEX bast (Type A) For Firmware Update, USB device (Type B) Fast Ethernet supporting: ((PA4/IPA, WINS/Nettibes) Print Speed VES bast (Type A) For Firmware Update, USB device (Type B) Fast Ethernet supporting: (PA4/IPA, WINS/Nettibes) Programming Language SZPL, SEPL, SDPL Accessories Peeler, Full Cutter, WLAN Standard Memory (Eash ROM): 10 MB Standard Memory (SDRAM): 32 MB Standard Memory (SDRAM): 32 MB Standard Memory (SDRAM): 32 MB Standard Memory (SDRAM): 32 MB Standard Memory (SDR	Resolution	203 dpi (8 dots/mm)	300 dpi (12 dots/mm)
Maxlength 100° (2540mm) → 203dpl, Maxlength 50° (1270 mm) → 300dpl, Minlength 0.4° (10mm) Media Stintfarmi OD on a 05° (12,7mm) ID core Minlength: 25mm for cutter options Stintfart: Continuous mode, Tear-off mode Operation Mode Standart: Continuous mode, Tear-off mode Sensor Standart: Continuous mode, Tear-off mode Operation Interface 2.12 LDS indicators Multicolor, Button x 1 Operation Interface 2.3, 4, 5, 6, 7 inches/sec Fint Speed Sign 7 peel off mode Size W 116 mm x H 170 mm x D 215 mm Weight 1 kg / 2.2 lbs Standard: Good 39, Code 93, Code 128 (ISBT128), CODABAR (NW-7), EAN8/13, GS1 DataBar ^{IM} , GS1-128 (UCC/ EAN128), Interface D Barcode Code 39, Code 93, Code 128 (ISBT128), CDDABAR (NW-7), EAN8/13, GS1 DataBar ^{IM} , GS1-128 (UCC/ EAN128), Interface D Barcode Code 39, Code 93, Code 128 (ISBT128), CDDABAR (NW-7), EAN8/13, GS1 DataBar ^{IM} , GS1-128 (UCC/ EAN128), Interface Interface SEPL, SDPL Linear Barcode Code 39, Code 93, Code 128 (ISBT128), CDDABAR (NW-7), EAN8/13, GS1 DataBar ^{IM} , GS1-128 (UCC/ EAN128), Interface J Barcode SEPL47, IVE/ PDF, Maxi Code, GS1 Data Matrix (ECC200), QR Code, Composite Symbologies, Azter Linear Barcode SEPL47, IVE/ PDF, Maxi Code, GS1 Data Matrix (ZCC200, QR Code, Composite Symbologies, Azter<	Media Alignment	Centered	
Operation 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 (S0, 76, 101, 127 insc, 172, 152, 177 mm/sec) 2, 8 3jps for peel off mode 2, 3, 4, 5 inches/sec (S0, 76, 101, 127 mm/sec) 2, 8 3jps for peel off mode Size W 116 mm x H 170 mm x D 215 mm 2, 3, 4, 5 inches/sec (S0, 76, 101, 127 mm/sec) 2, 8 3jps for peel off mode Size W 116 mm x H 170 mm x D 215 mm United Straps	Media	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	
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Print Speed (50, 76, 101, 127, 152, 177 mm/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 2 & 3ips for peel off mode Weight 1 kg / 2.2 lbs Image: Standard Bitmap Bitmap support fonts of SZPL, SEPL, SDPL Linear Barcode Code 39, Code 128 (ISB1128), CODABAR (NW-7), EAN8/13, GS1 DatBar TM , GS1-128 (UCC/ EAN128), Interleaved 2/5, Industrial 2/5, JAN8/13, Matrix 2/5, MSI, POSTNETT ^M , UPC-A/E 2D Barcode PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, Data Matrix (ECC200), QR Code, Composite Symbologies, Aztec 2D Barcode SZPL, SEPL, SDPL Interface VBS hosts (Type A) For Firmware Update, USB device (Type B) Fast Ethernet supporting: (IPv4/IPv6, WINS/Netbios) VDrogramming Language SZPL, SEPL, SDPL Accessories Peeler, Full Cutter, WLAN On-Board Memory Standard Memory (Flash ROM): 16 MB User Memory: SDRAM): 32 MB USB storage up to 32 GB (FAT32 format only) CPU Type 32 bit RISC microprocessor Power Supply Operating: 41°F=1040°F (5° C ~ 40 °C) Storage: 41°F=140°F (20° C ~ 60 °C) Humidity Operating: 25 %RH ~ 95 %RH (non-condensing) Storage: 10 %RH - 90 %RH (non-condensing) Storage: - Utility Mindows Driver (Windows Vista/ Win 7/ Win 8/ Win 10), BarTender® from Seagull Scientific, Nice Label	Operation Interface	2 LEDs indicators Multicolor, Button x 1	
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Software – Utility Printer Tool	Humidity		
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Agency Listing CB, CE, Wireless IEEE	Software – Utility	Printer Tool	
	Agency Listing	CB, CE, Wireless IEEE	

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

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