Product Comparison between Star and Zebra Kiosk Printers

Specs/Printer	Zebra KR203	Zebra KR403	Sanei SK4-21/31	Sanei SK1-211/311	Star TUP500 (Modular or Open Frame)	Star TUP900 (Modular or Open Frame)
Images						
Printing Types	- Direct-thermal receipts - labels	- Direct-thermal receipt - labels	- Direct-thermal receipts	- Direct-thermal receipts - labels - tickets	- Direct-thermal receipts - barcodes - tickets - labels (TUP542)	- A4 replacement - Direct-thermal receipts - barcodes - labels - tickets
Resolution	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi
Paper Width	58, 60, 80 or 82.5mm	58—82mm	**SK4-21:** 58mm **SK4-31:** 80mm	**SK1-211:** 58/ 60mm **SK1-311:** 58/ 60/ 80/ 83mm	45 – 82.5mm adjustable	80-112mm adjustable
Printing Speed (150 roll)	152mm per second	152mm per second	150mm per second	250mm per second	220mm per second	150mm per second
Paper Style	Receipt roll or fanfold	Receipt roll or fanfold	Receipt roll or fanfold	Receipt roll or fanfold	Receipt roll or fanfold	Receipt roll or fanfold
Paper Thickness	0.054 to 0.11mm	0.054 to 0.11mm	0.059 to 0.085mm	Without presenter: 0.059-0.15mm With presenter: 0.10mm	0.065 to 0.15mm	0.065 to 0.15mm
Paper Sensors	- Black mark sensor - Out-of-paper - Paper in presenter	- Black mark sensor - Out-of-paper - Paper in presenter	- Black mark sensor - Paper low - Out-of-paper	- Black mark sensor - Paper low - Out-of-paper - Gap sensor	- Black mark sensor - Out-of-Paper - Paper low	-Black mark sensor -Out-of-paper -Paper low
Auto Cutter	Full or partial	Full or partial	Full or partial	Full or partial	Full or partial	Full or partial
Interface	- USB	Dual Interface: - RS-232 serial - USB	Dual Interface: - RS-232C Serial - USB 2.0	Dual Interface: - RS-232C Serial - USB	Options: -USB (HU07) -Serial (HD03 or HN03) -Parallel (HC03) -Ethernet (HE07)	Options: - USB (HU08) - Serial (HN04 or HD04) - Parallel (HC04)
Power Supply	Input:110–240VAC Output: 24VDC 70W	24Vdc +/-5%	DC 24V±5% / TYP 2.7A	DC 24V±5% / TYP 2.7A	External Option PS60A	External Option PS60A
Operating Temperature	0°C to +50°C	-10° C to +50° C	-5°C to +50°C	-20° C to + 60° C	0°C to +50°C	0° C to +50° C
Energy Star Certified	Certified	Certified	Certified	Certified	Certified	Certified
Reliability / Life	Not Specified	Not Specified	Approx. 100 million pulses & 1 million cuts	Approx. 200 million pulses & 2 million cuts	Approx. 60 million lines & 1 million cuts	Approx. 37 million lines & 1 million cuts
Operating System	Windows	Windows	- Windows Utility driver -Remote Status monitor - Linux - Android	- Windows Utility driver Remote Status monitor - Linux - Android	- Windows - OPOS - JavaPOS, - Linux CUPs - Mac OS X CUPS - StarIO SDK for iOS /Android	- Windows - OPOS - JavaPOS, - Linux CUPs - Mac OS X CUPS - StarIO SDK for iOS /Android
Dimensions (WxDxH)	107 x 145 x 69mm	107 x 145 x 69mm	Standard Paper Position: **SK4-21:** 86 x 150 x 81.7mm **SK4-31:** 106 x 150 x 81.7mm	With Standard 120 mm Roll: **SK1-211:** 104 x 145.5 x 85.4mm **SK1-311:** 127 x 145.5 x 85.4mm	135 x 101 x 103mm	176.2 x 101 x 121mm
Weight	1.1 kg	1.1 kg	**SK4-21:** 0.36 kg **SK4-31:** 0.41kg	**SK1-211:** 0.53 kg **SK1-311:** 0.63 kg	2.5 kg	2.84 kg
Mounting	Horizontal and Vertical	Horizontal and Vertical	Horizontal	Horizontal and Vertical Please contact Star for details	Horizontal and Vertical	Horizontal and Vertical

Specs/Printer	Zebra KR203	Zebra KR403	Sanei SK4-21/31	Sanei SK1-211/311	Star TUP500 (Modular or Open Frame)	Star TUP900 (Modular or Open Frame)
Options	- LED Bezel - Paper-low sensor	- LED Bezel - Paper-low sensor	- Anti–Jam Bezel - LED Bezel - Paper extension arms - Star SDK	- Bezel options - LED Bezel options - Presenter options - Large paper roll holder - Star SDK	- Interfaces - Flashing Green & Red LED Exit Guide - 25cm paper roll holder - Presenter options - Available in Module units - Star SDK	- Interfaces -Metal Paper Exit Guide - Flashing Snout Blue or Green & Red LED Exit Guide - Paper Roll (up to 25cm diameter) - Presenter options - Available in Module units - Star SDK

Unique Features (Star)

The TUP500 and TUP900 are ideal for kiosk environments as they are designed specifically to be maintainable without frequent surveillance and have flexible positing and mounting features.

- Extended cable lengths for simple and flexible installation
- Bi-directional status checks
- A print on disconnection feature
- A simple lift and tilt the mechanism for automatic paper loading
- Star comprehensive SDK for various operating system

Unique Features (Sanei)

The SK4-21 and SK4-31 have small, compact designs making them only a fraction of the weight of other kiosk printers. Additionally, they are equipped with three different paper positions (top, bottom and rear) which provide more layout options during installation.

The SK1-311 and SK1-211 are not only fast, but have a long service life as it averages two million cuts.

star & SANEI
KIOSK PRINTING SOLUTIONS

TUP900   TUP500   SK4-31 & SK4-21   SK1-311