

AIO Point of Sale SAT POS
(All in one)

SAT TP1580 Celeron / Android



FEATURES

- ✓ Offers a robust and industrial modern design.
- ✓ Ideal for high flow payment point use.
- ✓ Built with high-strength metal material.
- ✓ Ideal for 24/7 heavy-duty work.
- ✓ Long-lasting multi-touch screen technology.
- ✓ Offers a versatile connection, with a wide variety of interface options.
- ✓ Compatible for use with different POS peripherals or accessories.
- ✓ A versatile solution suitable for different environments.

DESCRIPTION

SAT POS introduces the SAT TP1580, a cutting-edge industrial-grade equipment series designed to deliver robust and comprehensive POS solutions for businesses of all sizes—from retail stores, supermarkets, and fashion boutiques to warehouses and restaurants. Built for reliability and efficiency, this series excels even in the most demanding environments.

The SAT TP1580 is powered by an Intel Celeron J4125 processor, tailored for industrial-grade applications and optimized for point-of-sale (POS) systems. This high-performance device combines speed with adaptability, offering a versatile connectivity interface that supports peripherals such as printers, barcode scanners, cash drawers, and card readers. Engineered for 24/7 operation, it ensures seamless functionality in high-traffic settings.

Key features include a 15-inch capacitive multi-touch screen with edge-to-edge glass protection (resistant to liquid spills) and modular mounting flexibility for dual-screen configurations or VESA-compliant wall installation.



Software compatibility: The AIO TP1580 series devices offer compatibility and excellent performance with programs developed for Windows, Linux, and Ubuntu.

Touch operation: Features multi-touch technology supporting up to 50,000 screen touches and 5 simultaneous touch points for industrial use.



Integrated Peripherals: A versatile device with broad compatibility for operational peripherals such as barcode scanners, printers, scales, and more.



Wireless connectivity: The new TP1580 series offers built-in WiFi connectivity as an optional configuration.



Heavy-duty operation: An ideal device for working under the most demanding conditions, capable of continuous 24/7 operation.



MARKETS & APPLICATIONS



Supermarkets



Restaurants



Malls



Industries



Bowling Alleys



Movie Theaters



Amusement parks



Fashion



Nightclubs

Specifications are subject to change without notice. Please read the instruction manual carefully to ensure correct use of the equipment





I/O ports

Android



Windows



| SPECIFICATIONS | | DESCRIPTION | |
|--------------------------|-----------------------|--|--|
| Model (Ref) | | SAT TP1580 J41 | SAT TP1580 RK |
| System | Processor | Intel® Celeron J4125 - serie J | CPU Rockchip RK3568A |
| | Generation | 9 | / |
| | Base Speed | 2.0 GHz | 2.0 GHz |
| | Turbo Speed | 2.70 GHz Max | 2.0 GHz |
| | Cores | 4 | 4 |
| | Threads | 4 | / |
| | Storage | 128GB, SSD Mini-SATA Expandible 512GB | 64GB SSD (EMMC) |
| | Memory | 4G - DDR4 2133 Mhz (2x slots) up to 32G | 8GB - DDR4 3200Mhz (2x slots) up to 64G |
| | Graphics | Intel® UHD Graphics 600 | ARM G52EE |
| Cooling System | | Heat Dissipation (FANLESS) | |
| O.S Compatibility | | Windows 10 -11 / Linu x(No incluido). | Android 11 |
| Display / Touch | LCD Type | LCD - TFT | |
| | Size | 15.6" inches (16:9) | |
| | Resolution | 1920 ×1080 px. | |
| | Brightness | 400 nits. | |
| | Screen Lifespan | 30.000 hours | |
| | Touch Panel | Multi-touch Capacitive | |
| | Touch Points | 10 points | |
| Interface / Connectivity | Ethernet | 1x RJ45 (10/100/1000 Mbps). | 1x RJ45 10/100/1000 Mbps. |
| | Wifi / Bluetooth | (Optional) WiFi 802.11b/g/n,1x | WiFi 802.11b/g/n. |
| | Video Output | HDMI. | / |
| | USB | 4x (3.0 USB) / 2x (2.0 USB). | 4x (2.0 USB) - 2x (3.0 USD). |
| | COM | 1x - Serial RS232. | 1x COM. |
| | Audio | 2x Speaker (2w). | 1X jack 3.5 / 2x Speaker (2w). |
| | RJ11 | 1x RJ11. | 1x RJ11. |
| | SD Card slot | N/A | 1x Micro SD. |
| General | Power Supply | 12V, 5A (120VAC /86 Watts). | |
| | Working Temperature | 0°C ~ 40°C - 20% ~ 80% RH. | |
| | Certifications | CE, FCC | |
| | Dimensions | 380mm L x 230mm A x 400mm A. | |
| | Packaging Dimensions | 440mm L x 300mm A x 450mm A. | |
| | Weight | 5.0 kg. | |
| | Wall mount | (VESA) 75 x 75 mm support | |
| Optional Peripherals | Second Display (rear) | Type | Display LCD 10" Inches |
| | | Resolution | 800 X 1280 |
| | | Touch | No Touch |
| | | Connection | MIPI - on board. |
| Thermal Printer | Printing | Thermal Print Head /100 km lifespan | |
| | Print Speed | 160 mm/s | |
| | Paper | 80mm (Width) / 66mm (Diameter) | |
| | Auto Cutter Interface | Auto Cut / Capacity: Up to 1 million cuts | |
| Barcode Reader | Technology | 1D - 2D | |
| | Encoding | QR Code, Data Matrix, PDF417 | |
| | Resolution | 640x480 CMOS | |
| | Interface Speed | 350 mm/s | |
| | Connection | USB (On Board) | |
| | Input Voltage | DC 5V±0.2V (130 mA) | |

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FULLY INTEGRATED

The new generation of SAT POS integrated systems stands out for its sleek and lightweight design, ideal for modern industrial environments. Combining robustness and efficiency, its structure delivers optimal performance without compromising aesthetics. This device is engineered to streamline point-of-sale operations, offering both durability and style.



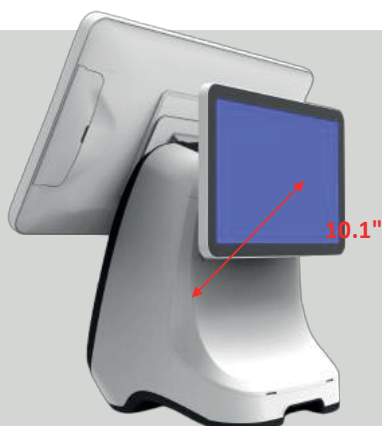
THERMAL PRINTER (Integrated)

The SAT AIO TP1580 integrates an 80mm thermal printer with exceptional print speed, perfect for high-demand settings.

Additionally, the built-in auto-cutter ensures uninterrupted workflow, enhancing checkout efficiency and reducing customer wait times.

BARCODE READER (Integrated)

The SAT POS system features a built-in omnidirectional barcode reader equipped with advanced technology for 1D and 2D code scanning. This versatile solution suits all retail types, with fast and precise scanning capabilities that accelerate product registration and optimize customer service.



SECONDARY REAR SCREEN (Optional)

The SAT AIO 1580 optionally supports a rear-mounted secondary screen (10.1"), ideal for displaying content to end-users or customers.

This accessory enables the showcasing of digital content such as ads, products, promotions, or billing totals.