



Saturn 1000

5.5" Color Touch Screen

Front/Rear Camera

Secure Android Platform

Fingerprint Reader (Optional)

Barcode Scanner (Optional)

Castles Technology's newly designed SATURN1000 next generation mobile device offers multifunctional capabilities and optimizes the checkout process for your business. It comes with several optional features including 4G LTE/3G, Wi-Fi, Bluetooth, microphone, front/rear camera, barcode reader, fingerprint reader, base, stylus.

The SATURN1000 is based on a secure Android platform and has integrated contactless reader function with a 5.5" full touchscreen. The SATURN1000 is an extremely easy, safe and secure for merchants looking for a next generation payment device.

FEATURES & BENEFITS



Unprecedented Security and Certifications

- PCI PTS 5.x
- EMV Contact/ Contactless Lv1
- EMV Contact Lv2
- Contactless Scheme Certifications (Paypass, Paywave, ExpressPay, D-PAS, J-Speedy, QPBOC...)



Incredibly Adaptable

- Optional barcode reader and fingerprint reader
- Accepts all payment types
- Flexible to integrate business applications



Exceptional Performance

- High Security Processor
- Operable under extreme conditions
- Android open architecture OS

SATURN 1000



SPECIFICATIONS

			SATURN1000
Processor			High Speed Quad-Core Processor plus Secure MCU
Memory	Flash/RAM		8GB/1GB (Up to 16GB/2GB)
	Micro-SD Socket		Yes
Display			5.5" Color TFTLCD with Capacitive Touch Panel 1280 x 720Pixels
Card Reader	Magnetic Stripe		ISO 7810, 7811, 7813 Triple Track, Bi-Directional
	Contact Card	User Card	ISO 7816 ID-1 1.8V/3V/5VT=0, T=1
		SAM Card	2 (Up to 4)
		SIM Card	1 (Up to 2)
Contactless (Optional)			ISO 14443 Type A, B ISO 18092 NFC Mifare (Working Frequency 13.56MHz)
Communications Interface Options	Wireless		4G LTE/3G Wi-Fi Bluetooth
Indicators	Audio		Speaker and 4 Pole Audio Jack + Microphone
Keypad	Virtual Keypad (Support PIN on Touch)		
Printer	57mm x 40mm, 100mm/sec		
Software	SDK KMS TMS GDB CTOS library ISO 8583 library Cryptolibrary		
Crypto	TRNG DES T'DES AES RSA MK/SK DUKPT		
Power Supply	DC		5V/2A
	Battery		20 Watts Li-ion Rechargeable Battery
Dimensions (mm)		195(L) x 85(W) x 78(H)	
Weight		496 g	
Environment	Operating Temperature		0°C to 50°C
	Storage Temperature		-20°C to 70°C
	Operating Humidity		5% to 90% non-condensing
	Storage Humidity		5% to 90% non-condensing
Certification		PCI PTS 5.X EMV L1/L2 payWave PayPass ExpressPay D-PAS Interac Flash J-Speedy UnionPay UICS TQM PBOCL1/L2	
Optional Additional Features		Front/Rear Camera Stylus Base Fingerprint Reader BarcodeReader Microphone	