



# 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)
Display		5.5” Color TFTLCD with Capacitive Touch Panel   1280 x 720 Pixels	
Card Reader	Magnetic Stripe		ISO 7810, 7811, 7813 Triple Track, Bi-Directional
	Contact Card	User Card	ISO 7816 ID-1 1.8V/3V/5V T=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 and Sony FeliCa 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   Crypto library	
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 95% non-condensing
	Storage Humidity		5% to 95% non-condensing
Certification		PCI PTS 5.X   EMV L1/L2   payWave   PayPass   ExperssPay   D-PAS Interac Flash   J-Speedy   FeliCa   UnionPay UICS   TQM   PBOC L1/L2	
Optional Additional Features		Front/Rear Camera Stylus Base Fingerprint Reader BarcodeReader Microphone	

