



Saturn 1000-E

Castles Technology's newly designed SATURN1000-E 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, rear camera, barcode reader, fingerprint reader, and base. The SATURN1000-E is based on a secure Android platform and has integrated contactless reader function with a 5" full touchscreen. The SATURN1000-E is an extremely easy, safe and secure for merchants looking for a next generation payment device.

Secure Android Platform

5" Color Touch Screen

Rear Camera (Optional)

Fingerprint Reader (Optional)

Barcode Scanner (Optional)

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-E



SPECIFICATIONS

SATURN1000-E

		SATURN1000-E	
Processor		High Speed Quad-Core Processor plus Secure MCU	
Memory	Flash/RAM	8GB/1GB (Up to 16GB/2GB)	
Display		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
		SIM Card	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)	
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	Li-ion Rechargeable Battery 3.7V 3000mAh	
Dimensions (mm)		169(L) x 75(W) x 18(H)	
Weight		242 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 FeliCa UnionPay UICS TQM PBOC L1/L2	
Optional Additional Features		5M Pixels Rear Camera Stylus Base Fingerprint Reader Barcode Reader	