



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. 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 v5.x
- EMV Contact/ Contactless Lv1
- EMV Contact Lv2
- Contactless Scheme Certifications (PayPass, PayWave, ExpressPay, D-PAS, J/Speedy, QuickPass, etc.)



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 Large
Processor		High performance A7 Quad core 1.1GHz CPU + Secure processor	
Memory	Flash/RAM	8GB / 1GB (Up to 16GB / 2GB)	
Display		5" TFT Color Display (1280 x 720 Pixels), with Capacitive Touch screen	
Card Reader	Magnetic Stripe	ISO 7810/7811/7813 Dual Track, Bi Directional reading	
	Contact Card	User Card	ISO 7816-1-2-3 EMV compliance ID-1 1.8V/3V/5V T=0, T=1
		SAM Card	2
		SIM Card	2
	Contactless	ISO 14443 Type A, B ISO 18092 NFC Mifare and Sony FeliCa Working Frequency 13.56MHz	
Communications Interface Options	Wire	USB Type C	
	Wireless	4G LTE/3G Wi-Fi Bluetooth	
Indicators	Audio	Speaker and 4 Pole Audio Jack Microphone	
Keypad		Virtual Keypad on Touch Panel	
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 4.2V 3000mAh	Li-ion Rechargeable Battery 4.2V 6000mAh
Dimensions (L x W x H)		169 x 75 x 18 (mm)	169 x 75 x 23 (mm)
Weight		242 g	262 g
Environment	Operating Temperature	-10°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 v5.X EMV L1/L2 payWave PayPass ExpressPay D-PAS J/Speedy FeliCa QuickPass TQM	
Optional Features		Rear Camera Stylus Base Fingerprint Reader Barcode Reader*	
		Note*: Saturn1000-E Large supports Honeywell barcode reader	