



Saturn 1000-E2

Castles Technology's newly designed Saturn1000-E2 next generation mobile device offers multifunctional capabilities and optimizes the checkout process for your business. It comes with several features including 4G LTE/3G, WLAN, Bluetooth, microphone, and rear camera.

The Saturn1000-E2 is based on a secure Android platform and has integrated contactless reader function with a 5" full touchscreen. It is extremely easy, safe and secure for merchants looking for a next generation payment device.

Secure Android Platform

5" Color Touch Screen

Rear Camera

Barcode Reader (Optional)

FEATURES & BENEFITS



Unprecedented Security and Certifications

- PCI PTS v6.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
- Accepts all payment types
- Flexible to integrate business applications



Exceptional Performance

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

SATURN1000-E2



SPECIFICATIONS

SPECIFICATIONS		S1E2	S1E2-L
Processor		High performance Octa-core 1.8 GHz CPU + Secure processor	
Operating System		Android 10	
Memory	Flash/RAM	16GB/2GB	
Display		5" TFT Color Display (1280 x 720 Pixels), with Capacitive Touch screen	
Card Reader	Magnetic Stripe	ISO 7810/7811/7813 Triple 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 WLAN (802.11 b/g/n/ac) Bluetooth	
Indicators	Audio	Speaker 4 Pole Audio Jack Microphone	
Barcode Reader (Optional)		2D Barcode	
Rear Camera		5M Auto zoom camera with flash LED	
Software		SDK KMS TMS GDB CTOS library ISO 8583 library Crypto library	
Crypto		TRNG DES TDES AES RSA MK/SK DUKPT	
Power Supply	DC	5V/2A	
	Battery	Li-ion Rechargeable Battery 3.75V 3000mAh	Li-ion Rechargeable Battery 3.75V 6000mAh
Dimensions (L x W x H)		169 x 75 x 21 (mm)	169 x 75 x 24 (mm)
Weight		249g	330g
Environment	Operating Temperature	Charging: 0°C to 35°C, Discharging: 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 v6.x EMV L1/L2 payWave PayPass ExpressPay D-PAS J/Speedy FeliCa QuickPass Interac Flash TQM	