



# 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
<b>Processor</b>		High performance Octa-core 1.8 GHz CPU + Secure processor	
<b>Operating System</b>		Android 10	
<b>Memory</b>	Flash/RAM	16GB/2GB	
<b>Display</b>		5" TFT Color Display (1280 x 720 Pixels), with Capacitive Touch screen	
<b>Card Reader</b>	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	
<b>Communications Interface Options</b>	Wire	USB Type C	
	Wireless	4G LTE/3G   WLAN (802.11 b/g/n/ac)   Bluetooth	
<b>Indicators</b>	Audio	Speaker   4 Pole Audio Jack   Microphone	
<b>Barcode Reader (Optional)</b>		2D Barcode	
<b>Rear Camera</b>		5M Auto zoom camera with flash LED	
<b>Software</b>		SDK   KMS   TMS   GDB   CTOS library   ISO 8583 library   Crypto library	
<b>Crypto</b>		TRNG   DES   TDES   AES   RSA   MK/SK   DUKPT	
<b>Power Supply</b>	DC	5V/2A	
	Battery	Li-ion Rechargeable Battery 3.75V 3000mAh	Li-ion Rechargeable Battery 3.75V 6000mAh
<b>Dimensions (L x W x H)</b>		169 x 75 x 21 (mm)	169 x 75 x 24 (mm)
<b>Weight</b>		249g	330g
<b>Environment</b>	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	
<b>Certification</b>		PCI PTS v6.x   EMV L1/L2   payWave   PayPass   ExpressPay   D-PAS   J/Speedy   FeliCa   QuickPass   Interac Flash   TQM	