



# SATURN 1000-E

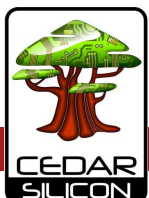
Cedar Silicon's newly designed SATURN1000-E next generation mobile device offers unsurpassed multifunctional capabilities and optimizes the checkout process for your business. It comes with several optional features including 4G LTE, Wi-Fi, Bluetooth, microphone, rear camera, barcode reader, fingerprint reader, and a charging base.

The SATURN1000-E is based on a secure Android platform and has integrated contactless reader function with a 5" capacitive touchscreen. SATURN1000-E is extremely easy to use, safe and secure product for customers seeking an advanced next generation payment device.



- Secure Android Platform
- 5" Color Touch Screen
- Rear Camera
- Fingerprint Reader
- Barcode Scanner

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# 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

- Highly Secure Processor
- Operable under extreme conditions
- Android open architecture OS

# SATURN 1000-E



## SPECIFICATIONS

### SATURN1000-E

<b>Processor</b>		High Speed Quad-Core CPU plus Secure MCU	
<b>Memory</b>	Flash/RAM	8GB/1GB (Up to 16GB/2GB)	
<b>Display</b>		5" Color TFTLCD with Capacitive Touch Panel   1280 x 720 Pixels	
<b>Card Reader</b>	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	
<b>Communications Interface Options</b>	Wireless	4G LTE   Wi-Fi   Bluetooth	
<b>Indicators</b>	Audio	Speaker and 4 Pole Audio Jack   Microphone	
<b>Keypad</b>		Virtual Keypad (Support PIN on Touch)	
<b>Software</b>		SDK   KMS   TMS   GDB   CTOS library ISO 8583 library   Crypto library	
<b>Crypto</b>		TRNG   DES   T'DES   AES   RSA   MK/SK   DUKPT	
<b>Power Supply</b>	DC	5V/2A	
	Battery	Li-ion Rechargeable Battery 3.7V 3000mAh	
<b>Dimensions (mm)</b>		169(L) x 75(W) x 18(H)	
<b>Weight</b>		242 g	
<b>Environment</b>	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	
<b>Certification</b>		PCI PTS 5.X   EMV L1/L2   payWave   PayPass   ExpressPay D-PAS Interac Flash   J-Speedy   FeliCa   UnionPay UICS TQM   PBOC L1/L2	
<b>Optional Additional Features</b>		5M Pixels Rear Camera   Stylus   Base Fingerprint Reader   Barcode Reader	