



# Saturn 1000-E UPT

Castles Technology's newly designed SATURN1000-E UPT makes your checkout process a lot easier. In addition, it comes with several optional features including 4G LTE, Wi-Fi, Bluetooth, microphone, front camera, and barcode reader. The SATURN1000-E UPT is based on a secure Android platform and has integrated contactless reader function with a 5" full touchscreen. Lastly, this self-service solution provides a secure and reliable transaction environment which is perfect for vending machines, coolers, and other unattended applications.

Secure Android Platform

5" Color Touch Screen

Front Camera (Optional)

Barcode Reader (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
- Accepts all payment types
- Flexible to integrate business applications



## Exceptional Performance

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

# SATURN 1000-E UPT



## SPECIFICATIONS

			SATURN1000-E UPT	
<b>Processor</b>			High Speed Quad-Core Processor plus Secure MCU	
<b>Memory</b>	Flash/RAM		8GB/1GB (Up to 16GB/2GB)	
<b>Operating System</b>			Android v6.x	
<b>Display</b>			5" Color TFT LCD with Capacitive Touch Panel   1280 x 720 Pixels	
<b>Card Reader</b>	Magnetic Stripe	User Card	ISO 7810, 7811, 7813 Triple Track, Bi-Directional	
		Contact 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>	Wire		RS-232   USB   MDB   Antenna	
	Wireless		4G LTE   Wi-Fi   Bluetooth   Ethernet	
<b>Indicators</b>	Audio		Speaker   Audio Jack (4-Pole)   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		9-60V	
<b>Dimensions (L x W x H)</b>			191.8 x 110 x 65.6 mm	
<b>Weight</b>			600 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	
	IP Ingress Protection		IP 54	
		IK Shock Protection	IK 08	
<b>Certification</b>			PCI PTS 5.X   EMV L1/L2   payWave   PayPass   ExperssPay D-PAS Interac Flash   J-Speedy   FeliCa   UnionPay UICS TQM   PBOC L1/L2	
<b>Optional Features</b>			5M Pixels Front Camera   Barcode Reader	