Saturn
1000KC

Castles Technology's newly designed SATURN1000KC next generation 4G desktop 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, and front camera.

The SATURN1000KC is based on a secure Android platform and has integrated contactless reader function with a 4" full touchscreen. The SATURN1000KC is an extremely easy, safe and secure for merchants looking for a next generation payment device.
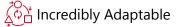
4" Color Touch Screen

Secure Android Platform

Front Camera

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, QuickPass…)

Incredibly Adaptable

- Optional dial-up modem function
- Accepts all payment types
- Flexible to integrate business applications

Exceptional Performance

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

SATURN
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SPECIFICATIONS

			SATURN1000KC
Processor			High Speed Quad-Core Processor plus Secure MCU
Operating System			Android 7.0
Memory	Flash/RAM		8GB/1GB (Up to 16GB/2GB)
Display			4" 480 x 800 Color TFT LCD with Capacitive Touch Display
Card Reader	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	1 (up to 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		RS232	USB	LAN
	Wireless		4G LTE/3G/GPRS	Wi-Fi	Bluetooth
	GPS		Yes
Indicators	Audio		Speaker and 4 Pole Audio Jack + Microphone
PIN Pad			Build-in PIN Pad
Thermal Printer			57mm x 50mm
Camera			2M Fixed Front Camera
Software			SDK	KMS	TMS	CTOS library ISO 8583 library	Crypto library
Crypto			TRNG	DES	TDES	AES	RSA	MK/SK	DUKPT
Power Supply	DC		9V/3.3A
Environment	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
Certification			PCI PTS 5.X	EMV L1/L2	payWave	PayPass	Expersspay	D-PAS Interac Flash	J-Speedy	FeliCa	UnionPay UICS	TQM
Optional Features			Dial-up modem