CASTLES™ TECHNOLOGY

Saturn
7000

Castles Technology's newly designed SATURN7000 next generation mobile device offers multifunctional capabilities and optimizes the checkout process for your business. It comes with several features including 3G/4G, Wi-Fi, Bluetooth, GPS, Front/Rear Camera and Barcode Reader. The SATURN7000 is based on a secure Android platform and has integrated MSR, contact and contactless reader functions with a 7" color capacitive full touchscreen.

The SATURN7000 is an extremely easy, safe and secure for merchants looking for a next generation payment device.

Secure Android Platform

7" Color Touch Screen

Rear Camera (Optional)
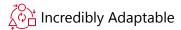
BT, Wi-Fi, 3G, 4G (Optional)

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

- Accepts all payment types
- Flexible to integrate business applications
- Able to connect with either printer docking and charging cradle.

Exceptional Performance

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

SATURN 7000

SPECIFICATIONS

			SATURN7000
Processor			High Speed Quad-Core Processor plus Secure MCU
Memory	Flash/RAM		16GB/1GB (Up to 16GB/2GB)
	Micro-SD Socket		Yes
Display			7" Color TFTLCD with Capacitive Touch Panel | 1280 x 800 Pixels
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	2
		SIM Card	1
	Contactless (Optional)		ISO 14443 Type A, B | ISO 18092 NFC | Mifare and Sony FeliCa Working Frequency 13.56MHz
Communications Interface Options	Wireless		4G LTE/3G | Wi-Fi | Bluetooth
Indicators	Audio		Speaker | Microphone | Audio Jack
Keypad			Virtual Keypad (Support PIN on Touch)
Software			SDK | KMS | TMS | GDB | CTOS library ISO 8583 library | Crypto library
Crypto			TRNG | DES | T'DES | AES | RSA | MK/SK | DUKPT
Power Supply	DC		Adaptor DC 5V/2A (Micro USB)
	Battery		Rechargeable Battery 3.8V / 4800 mAh (Swappable)
Dimensions (mm)			226(W) x 116(D) x 25(H)
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 | UnionPay UICS | TQM PBOC L1/L2
Optional Additional Features			Stand|Printer|Charging Cradle|Barcode Reader|Rear Camera