



Saturn 1000F3

5.5" Color Touch Screen

Secure Android Platform

High Performance Processor

Castles Technology's newly designed SATURN1000F3 next generation mobile device offers multifunctional capabilities and optimizes the checkout process for your business. It comes with several features including 4G LTE, WLAN, Bluetooth, rear camera, front camera, and microphone.

The SATURN1000F3 is based on a secure Android platform and has integrated contactless reader function with a 5.5" full touchscreen.

The SATURN1000F3 is an extremely easy, safe and secure for merchants looking for a next generation payment device.

FEATURES & BENEFITS

Unprecedented Security and Certifications

- PCI PTS 6.x
- EMV Contact/ Contactless Lv1
- EMV Contact Lv2
- Contactless Scheme Certifications (Paypass, Paywave, ExpressPay, D-PAS, J-Speedy, etc.)

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

SATURN 1000F3



SPECIFICATIONS

S1F3

Processor		ARM A53 Quad-Core 2.0GHz Processor + Secure Processor	
Operating System		Android 12	
Memory	Flash/RAM	32GB/2GB	
	Micro-SD Socket	Yes	
Display		5.5" TFT Color Display (1440 x 720 Pixels) with Capacitive Touch Screen	
Card Reader	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, support eSIM (Option)
	Contactless	ISO 14443 Type A, B ISO 18092 NFC Mifare and Sony FeliCa Working Frequency 13.56MHz	
Communications Interface Options	Wire	USB Type C 2.0 OTG	
	Wireless	WLAN 802.11 a/b/g/n/ac, 2.4G & 5G Bluetooth 5.0 4G LTE	
	GPS	Yes	
Indicators	Audio	Speaker 4 Pole Audio Jack Microphone	
Printer		Paper Roll Size: 57mm (W) x 40mm (DIAM.) Print Speed: 100mm/sec	
Camera		Rear Camera: 5 Megapixel Auto Focus Front Camera: 2 Megapixel Fixed Focus (optional)	
Software		SDK KMS TMS GDB CTOS library ISO 8583 library Crypto library	
Crypto		TRNG DES TDES AES RSA MK/SK DUKPT	
Power Supply	DC	5V/2A	
	Battery	2600mAh/7.4V Li-ion Rechargeable Battery	
Dimensions (L x W x H)		200 x 82.73 x 56.65 (mm)	
Weight		380g	
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 6.x EMV L1/L2 payWave PayPass ExpressPay D-PAS Interac Flash J-Speedy FeliCa UnionPay UICS TQM	
Accessories (optional)		5V/2A Power Adapter USB Type C Cable Charging Cradle Communication Cradle	