



Saturn 1000F2

5.5" Color Touch Screen

Secure Android Platform

Barcode Reader (Optional)

Castles Technology's newly designed SATURN1000F2 next generation mobile device offers multifunctional capabilities and optimizes the checkout process for your business. It comes with several communication features including USB, 4G LTE, Wi-Fi, Bluetooth, rear camera, and microphone.

The SATURN1000F2 is based on a secure Android platform and has integrated contactless reader function with a 5.5" full touchscreen. The SATURN1000F2 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 1000F2



SPECIFICATIONS

SATURN1000F2

Processor		ARM A53 Quad-Core 1.3GHz Processor + M3 Secure Processor	
Operating System		COB: Android 9 MOB: Android 10	
Memory	Flash/RAM	8GB/1GB (Up to 16GB/2GB)	
	Micro-SD Socket	Yes	
Display		5.5" 1280 x720 Color TFT, with Capacitive Touch Display	
Card Reader	Magnetic Stripe	ISO 7810, 7811, 7813 Triple Track, Bi-Directional reading	
	Contact Card	User Card	ISO 7816 ID-1 1.8V/3V/5V T=0, T=1
		SAM Card	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	USB Type C 2.0 OTG	
	Wireless	Wi-Fi 802.11 a/b/g/n/ac 2.4G/5G BT 4.2 + BR/EDR + BLE 4G LTE (COB/ MOB) GPRS	
	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 with Flash LED Front Camera: 2 Megapixel Fixed Focus Professional Barcode (Optional) ※ If Barcode is selected, Front Camera is not available.	
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	5V/2A	
	Battery	6000mAh/3.7V Li-ion Rechargeable Battery	
Dimensions (L x W x H) (mm)		Standard: 203.88 x 80 x 56.74	with Barcode: 206.09 x 82.8 x 54.96
Weight		492g	500.6g
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		5V/2A Power Adapter USB Cable Charging Cradle (Optional) Communication Cradle (Optional)	