



SATURN 1000-F



- 5.5" Color Touch Screen
- Front/Rear Camera
- Secure Android Platform
- Fingerprint Reader
- Barcode Scanner

Cedar Silicon's newly designed SATURN1000-F next generation mobile device offers multifunctional capabilities and optimizes the checkout process for your business. It is equipped with powerful features including 4G LTE, Wi-Fi, Bluetooth, microphone, front/rear camera, barcode reader, fingerprint reader, charging base, stylus.

The SATURN1000-F is based on a PCI PTS 5x certified secure Android platform and features an integrated contact and contactless chip reader, MSR, a 5.5" full touchscreen display and a fast thermal printer.

The device is extremely easy to use, safe and secure product for customers seeking an advanced next generation payment device.



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 and fingerprint reader
- Accepts all payment types
- Flexible to integrate business applications



Exceptional Performance

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

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SPECIFICATIONS

		SATURN1000-F	
Processor		High Speed Quad-Core Processor plus Secure MCU	
Memory	Flash/RAM	8GB/1GB (Up to 16GB/2GB)	
	Micro-SD Socket	Yes	
Display		5.5" Color TFTLCD with Capacitive Touch Panel 1280 x 720Pixels	
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 (Up to 4)
		SIM Card	1 (Up to 2)
	Contactless (Optional)	ISO 14443 Type A, B ISO 18092 NFC MiFare and Sony FeliCa Working Frequency 13.56MHz	
Communications Interface Options	Wireless	4G LTE Wi-Fi Bluetooth	
Indicators	Audio	Speaker and 4 Pole Audio Jack + Microphone	
Keypad		Virtual Keypad (Support PIN on Touch)	
Printer		57mm x 40mm, 100mm/sec	
Software		SDK KMS TMS GDB CTOS library ISO 8583 library Cryptolibrary	
Crypto		TRNG DES T'DES AES RSA MK/SK DUKPT	
Power Supply	DC	5V/2A	
	Battery	20 Watts Li-ion Rechargeable Battery	
Dimensions (mm)		195(L) x 85(W) x 78(H)	
Weight		496 g	
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 ExpressPay D-PAS Interac Flash J-Speedy FeliCa UnionPay UICS TQM PBOC L1/L2	
Optional Additional Features		Front/Rear Camera Stylus Base Fingerprint Reader BarcodeReader Microphone	