



# Saturn 1000F2

5.5" Color Touch Screen

Secure Android Platform

Rear Camera (Optional)

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 optional features including 4G LTE/3G, Wi-Fi, Bluetooth, microphone, rear camera, barcode reader, and stylus.

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, QPBOC...)



### 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   |
|---|-----------------------|-----------|--|
| <b>Processor</b>                        |                       |           | High Speed Quad Core, 1.3 GHz Processor plus Secure MCU  |
| <b>Operating System</b>                 |                       |           | Android 9.0  |
| <b>Memory</b>                           | Flash/RAM             |           | 8GB/1GB (Up to 16GB/2GB)   |
|   | Micro-SD Socket       |           | Yes  |
| <b>Display</b>                          |                       |           | 5.5" 1280 x 720 Color TFT Capacitive Touch Display   |
| <b>Card Reader</b>                      | 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  | 2  |
|   | Contactless           |           | ISO 14443 Type A, B   ISO 18092 NFC   Mifare and Sony FeliCa Working Frequency 13.56MHz  |
| <b>Communications Interface Options</b> | Wireless              |           | 4G LTE/3G/GPRS   Wi-Fi   Bluetooth   |
|   | GPS                   |           | Yes  |
| <b>Indicators</b>                       | Audio                 |           | Speaker and 4 Pole Audio Jack   Microphone   |
| <b>Keypad</b>                           |                       |           | Virtual Keypad (Support PIN on Touch)  |
| <b>Printer</b>                          |                       |           | 57mm x 40mm (Paper Roll Size), 100mm/sec (Print Speed)   |
| <b>Camera</b>                           |                       |           | 5M Pixel AF with Flash Light Rear Camera   |
| <b>Software</b>                         |                       |           | SDK   KMS   TMS   GDB   CTOS library<br>ISO 8583 library   Crypto library  |
| <b>Crypto</b>                           |                       |           | TRNG   DES   T'DES   AES   RSA   MK/SK   DUKPT   |
| <b>Power Supply</b>                     | DC                    |           | 5V/2A  |
|   | Battery               |           | 6000mAh/3.7V Li-ion Rechargeable Battery   |
| <b>Dimensions (L x W x H)</b>           |                       |           | 200 x 78 x 56 (mm)   |
| <b>Weight</b>                           |                       |           | 495 g  |
| <b>Environment</b>                      | 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   |
| <b>Certification</b>                    |                       |           | PCI PTS 6.X   EMV L1/L2   payWave   PayPass   ExpressPay   D-PAS<br>Interac Flash   J-Speedy   FeliCa   UnionPay UICS   TQM   PBOC L1/L2 |
| <b>Additional Features</b>              |                       |           | 2M Pixel FF Front Camera   Rear Barcode Reader   |
| <b>Optional Accessories</b>             |                       |           | Charging Cradle   Communication Cradle   |