

Transaction. Interaction. Convergence.™



## SPm20 Mobile POS Device

High-performance, secure chip and PIN mobile card acceptance via a payment application hosted by any smart mobile device for all market sectors, including large retail environments.

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- Contemporary design, robust and pocket-sized
  - Docking capability to meet the needs of all mobile POS markets
  - Secure Bluetooth connection to smart device (phone/tablet/PDA)
  - Contactless and NFC card acceptance
  - Meets the industry's very latest security standards
  - Interfaces with Android, Apple (iOS), Blackberry or Windows OS
  - Supported by complete managed service from Spire Payments Group
  - SDK for third party value-add application development
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# SPm20 Mobile POS Device

The SPm20 mobile POS device and bespoke docking station from Spire Payments meets the current and foreseeable needs of all mobile POS market verticals.

## Design

Based on Spire Payments' considerable experience within the mobile POS market, the SPm20 has been designed to offer an extremely secure and powerful chip and PIN acceptance device with the ultimate flexibility of a Linux Operating System, inspire™ SDK and inSPire™ mPOS API (fully compatible with the PosMate™ API).

## Interface

The SPm20 offers mobile payment application developers ultimate flexibility. The platform supports both the current PosMate™ Smart API (allowing seamless device porting) and a Linux-based SDK (allowing value-add application development). Combined with industry-leading technical support from Spire Payments, the result is minimal effort for third party engineers to deliver a mobile POS solution to market.

## Connectivity

The SPm20 connects to all smart devices via Class 2.1 Bluetooth and also communicates with Android, iOS, Blackberry and Windows operating systems.

## Security

The SPm20 has been accredited to PCI PTS 4.x SRED, the industry's latest and most demanding standard. Safe in the knowledge this part of your mobile POS solution meets the most stringent requirements, the Spire Payments Technical team will work with your chosen PCI-DSS Level 1 Service Provider to ensure the entire security framework is robust and the key loading process is seamless.

## Support

Spire Payments is able to provide a class-leading service and support infrastructure for SPm20 deployments. From product fulfillment and stock management through to helpdesk support and repairs, Spire Payments can offer a complete managed solution for the SPm20. This has allowed customers to deploy the product in volume across multiple territories.

**Memory** 64MB Flash 32MB LPDDR4M

**Mobile/Tablet Device Interface** inSPire™ mPOS API (fully compatible with the PosMate™ API)

**Accessories** Car charger, retail stand

**Development Environment** Secure Linux Open Platform with inSPire SDK Toolkit for development of mPOS applications

**OS Compatibility** Android, Apple iOS, Windows Mobile and Blackberry

**Processor** 32-bit, 384MHz Secure ARM 9 . 5 low power modes including sleep mode

**Contactless Card Reader** ISO 14443 Type A/B

**Smart Card Reader** ISO7816 T=0 & T=1 EMV 4 Level 1 & 2 500,000 insertions

**Magnetic Card Reader** ISO 7811-6:2008 Tracks 1 & 2 Hi and Lo-coercivity, bidirectional

**Display** Monochrome 128 x 64 pixels FSTN Transflective LCD with backlight

**Keypad** Backlit 10 alphanumeric keys • 3 function keys

**Connectivity** Bluetooth Class 2.1 + EDR, Micro USB, USB docking interface

**Battery** Lithium Polymer technology 1250mAh Typically 400-500 transactions per full battery charge • Charging via micro USB or through docking station

**Charging** Via Micro USB connection to mobile phone / tablet / PC, or via docking station, or via compatible micro USB Plug Top Power Supply

**Dimensions/ Weight** 118 mm (L) x 70 mm (W) x 18 mm (H) 110 g

**Environmental** Operating temperature -10 to +50 °C Storage temperature -20 to +70 °C

**Lifetime** 500,000 transactions on smart card reader 500,000 transactions on magnetic stripe reader

**Certification** PCI PTS 4.x SRED • EMV Level 1 & 2 • Mastercard® contactless, Visa payWave • EMV L1 Contactless • CE • RoHS • TQM • Visa Ready • Mastercard mPOS • Apple iOS MFI



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