SPg7

The perfect solution for secure wireless payment

- **Easy to use**
  Colour screen and intuitive keyboard

- **Development toolkit**
  Open platform (Linux) with flexibility for third parties to develop POS applications

- **Feature-rich**
  Satisfying all payment types

- **Reliable and robust**
  Designed to meet the demands of a mobile environment

- **Safe and secure payment**
  Certified to the industry's latest security standards

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SPg7

Processor	32-bit, 266MHz high-performance secure ARM CPU, and optional 400Mhz • Sleep mode
Memory	128MB Flash • 64MB DDRAM
SAM	2 (conforming to ISO7816)
Display	Graphical colour/Touchscreen 320 x 240 pixels TFT-LCD 2.4" with backlight • Signature capture
Keyboard	12 alphanumeric keys • 3 navigation keys 3 function keys • on/off key
Audio	Buzzer (programmable span, volume & frequency)
Printer	Easy paper loading • High-speed thermal • Graphic • Barcode printing • Up to 34 lines per second • 40 mm diameter paper roll
Power supply	Plugtop AC: 100-240V, 50/60Hz
Battery	2200 mAh lithium-ion battery • Typically 400–500 transactions per full battery charge
Environmental	Operating temperature 0 to +50 °C Storage temperature -20 to +70 °C
Dimensions/ Weight	178 mm (L) x 78mm (W) x 60 mm (H) 330 g
Customization	On screen
Accessories	Privacy shield • Charging base • Car charger (Optional)

Card Readers	
Smart Card	ISO 7816 1.8V,3V,5V synchronous & asynchronous T=0 and T=1 • 500,000 insertions
Magstripe	ISO1/2/3 track bidirectional swipe, hi-coercivity 600,000 swipes
Contactless	ISO 14443 Type A/B • NFC
Connectivity	
Wireless	GPRS quad band (850/900/1800/1900 MHz) 3G • Wi-Fi 802.11b/g/n, WPA2 enabled
Wired	USB • Ethernet • 1x RS232
SIM	1 standard SIM slot Dual SIM configuration option
Operating Sys	Linux open platform
Development Environment InSPire™	Application Development Toolkit using C & C++ Multiplatform IDE, industry standard GCC/C++ compilers • SDK libraries providing POS specific functions
Encryption	3DES, Master/Session key, DUKPT, RSA, AES
Certifications	PCI PTS 4.x SRED • EMV Level 1 & 2 • EMV L1 Contactless • PayPass, PayWave, ExpressPay CE • RoHS • TQM • UKCC

spire PAYMENTS®

Transaction. Interaction. Convergence.

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