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

www.spirepayments.com

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

NEWNOTE SOLUTIONS | spire PAYMENTS®

Transaction. Interaction. Convergence.

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