

# SPIRE SPC5 COUNTERTOP

A versatile and reliable terminal  
for retail POS environments

**YORKSHIRE  
PAYMENTS**  
STRAIGHT TALKING CARD SOLUTIONS

## FEATURES & BENEFITS

### EASY TO USE

Colour screen and intuitive keyboard

### FLEXIBLE CONFIGURATION

Operates as standalone or as part of a  
POS solution

### RELIABLE AND ROBUST

Designed to meet the demands of a  
mobile environment

### DEVELOPMENT TOOLKIT

Open platform (Linux) with flexibility  
for third parties to develop POS  
applications

### SAFE AND SECURE PAYMENT

Certified to the industry's latest  
security standards



## SPECIFICATIONS

### Processor

32-bit, 266MHz high-performance secure  
ARM CPU, and optional 400MHz

### Memory

128MB Flash • 64MB DDRAM

### SAM

2 (conforming to ISO7816)

### Display

Graphical colour 320 x 240 pixels  
TFT-LCD 2.4" with backlight  
(optional touchscreen) Signature  
capture

### Keyboard

12 alphanumeric keys • 3 navigation keys  
3 function keys • on/off key • Optional  
Privacy shield

### Audio

Buzzer (programmable span, volume &  
frequency)

### Printer

Easy paper-loading • High-speed  
thermal • Graphic • Barcode printing •  
Up to 34 lines per second • 50mm  
diameter paper roll

### Power Supply

Plugtop AC: 100-240V, 50/60Hz

### Dimensions

192 mm (L) x 81 mm (W) x 61 mm (H)

### Environmental

Operating temperature -10 °C to  
+55 °C Storage temperature -20  
°C to +70 °C

### Customisation

On screen • Printer lid

### 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, hi-coercivity  
600,000 swipes

#### Contactless

ISO 14443 Type A/B • NFC

### Connectivity

Synchronous / Asynchronous  
high-speed dial-up modem •  
Ethernet • 2x RS232 • USB  
Optional GPRS • Optional Wi-Fi

### Operating System

Linux open platform

### Development

Application Development Toolkit  
using C & C+

### Environment INSPIRE

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 • EMV Level 1 & 2 •  
PayPass, PayWave

[www.yorkshirepayments.co.uk](http://www.yorkshirepayments.co.uk)  
01422 323785

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