



# S800 Countertop Payment Terminal

## Payment Acceptance Made Easy

The **S800** is the world's most innovative countertop payment terminal powered by a secure and flexible Linux operating platform. This supports rapid development of customized and secure software applications that give new meaning to the concept of payment and value-added services.

The S800 comes in a compact and stylish form factor, equipped with large colour screen, wide choice of connectivity options and built-in NFC capability to enable mobile and contactless transactions. The S800 packs a 32-bit ARM11 processor and massive amounts of memory via Micro SD to deliver exceptional performance.

# S800 Countertop Payment Terminal

## Features & Benefits

### High reliability & exceptional stability

- Sleek compact design
- Built-in contactless / NFC
- Fast thermal printer (25 lps)
- Multiple peripheral ports
- Advanced DDR technology
- 400MHz 32-bit ARM11 processor
- GPRS / LAN / PSTN / 3G(WCDMA)

### Unprecedented security

- PCI PTS 3.x certified, SRED
- Supports HASH function
- Supports RSA, AES, DES, 3DES
- Supports DUKPT, MK/SK, FIXED KEY
- Secure embedded area for keys, self-destruct mechanism if attacked

### Open & flexible operating system

- Secure & flexible platform
- Easy software application development
- User-friendly interface with powerful GUI
- Multi-task OS maintains application integrity
- Plug-and-Play to extend functionality on-site

### Multimedia performance

- Loudspeaker
- Large colour screen display
- Supports HD images and video



## Specifications

### Processor

32-bit ARM11

### Memory

192MB standard (128MB Flash, 64MB DDR)  
Micro SD (TF card) up to 32GB

### Display

2.8 inch 320 x 240 pixel TFT colour LCD

### Keypad

10 numeric / letter keys, 9 function keys Back-lighting

### Printer

Thermal printer, speed: 25 lines per second or faster depending on font size  
Paper roll width / diameter: 58mm / 50mm

### Card Slots

3 SAMs

### Magnetic Card Reader

Track 1 / 2 / 3, bi-directional

### Smart Card Reader

EMV L1 & L2

### Contactless Card Reader (optional)

Mastercard PayPass & Visa payWave  
13.56MHz, ISO14443 Type A/B,  
Mifare®, Felica, NFC

### Audio

Speaker, 90dB

### Communication

Modem: Sync. (HDLC up to 9600bps);  
Async. (V.92, up to 56Kbps)  
Ethernet (optional)  
GPRS / WCDMA (optional)

### Peripheral Ports

1 x RS232, 1 x RS232 / Ethernet,  
1 x PINPad, 1 x Line, 1 x mini USB,  
1 x power charger

### Security

DUKPT, Master / Session, DES, 3DES  
ANSI / ISO9564 format 0, 1, 3  
PIN ciphered key algorithm  
ANSI X 9.9 / X9.19 MAC algorithm

### Environmental

0°C to 50°C (32°F to 122°F) operating temperature  
-20°C to 70°C (-4°F to 158°F) storage temperature  
10% to 93% relative humidity, non-condensing

### Voltage

Input: 100~240VAC, 50Hz / 60Hz, 1A  
Output: 9VDC, 2.5A

### Physical

Length: 203mm  
Width: 86mm  
Height: 70mm

### Weight

454g

### Certifications

PCI PTS 3.x  
EMV L1 & L2  
Mastercard PayPass  
Visa payWave  
EMV Contactless L1

**web** <https://www.ecomm365.com> **email** [sales@ecomm365.com](mailto:sales@ecomm365.com) **phone** +353 (0)46 907 6546

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