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commerce  
Stores

# cartes de paiement



## EFT SMART

### Desktop payment terminal

- Risc 32 bit
- EMV
- SECURITY
- e-purse
- USB

*Cost-effective and high performance*



**Sagem Monetal**  
SAFRAN Group



# EFT SMART

*Cost-effective and high performance*

*Card payment keeps on developing. EMV smart card is more and more widespread, security more rigorous. Multi-application support is a necessity. As a cost-effective and high performance payment terminal, the EFT Smart is ready to take up all these challenges.*



## Cost-effective solution

The EFT Smart benefits from powerful microprocessors which reduce transaction times and from highly integrated electronics. Its reliability, its unrivalled downloading capability and IT management system enable to obtain exceptional maintenance and evolution costs.



## Ready for any type of application

The EFT Smart can process any type of payment: off-line, on-line, semi off-line. It processes magnetic stripe cards as well as smart cards. It is provided with SAM (Security Access Module) readers, for e-purse for example. Credit/debit, loyalty or «top-up» applications can be supported in the EFT Smart large memory space which is open to multi-application.



## User's comfort

Tickets are printed in record time (18 l/s thermal printer). The most demanding security controls, RSA authentication for example, are processed thanks to a powerful microprocessor (32 Bit RISC ARM 9). The keyboards and graphical displays offer a great comfort of use.



## Security, for any type of payment

The EFT Smart comply with security requirements, whether they are national or international (EMV, VISA PED,...). Its high security design and its security coprocessor protect from the most virulent attacks.



## Ready for EMV migration

The EFT Smart has been designed to comply with EMV requirements. Its smart card interface is EMV Level 1 certified. It supports an EMV Level 2 certified kernel ready to be integrated in any national applications.

## Upgradable

It is equipped with a large memory (8+8 Mb). The MMU (Memory Management Unit) electronics enables to manage multi-application. Downloadings are realised through on high speed modem V32 Bis and uses a very efficient data compression. Download is so fast that users can hardly notice software upgrading.

## Easy software development

The software architecture enables continual software updates to keep in step with regulatory and market changes, offer new services to reduce development times. Sagem Monetel proposes a Software Development Kit (SDK 30) for programming in C or C++ language, a terminal simulator and ready-to-use libraries such as a EMV Level 2 module.

## Integrated IT management

The EFT Smart benefits from the high performance services of its IT management system, TMS 30. To keep your terminals always updated, TMS 30 downloads the last software versions, sends messages to users, and manages remote configuration of applications. TMS 30 offers true IT management solutions.



## Technical characteristics

- Microprocessor: Risc 32 bit, ARM 9
- Memory: 8 Mb Flash, 8 SDRAM
- EMV smart card reader, with variable frequency (3.57; 7.14; 14.3 Mhz)
- Track 1 / Track 2 magnetic stripe card reader
- SAM supports: 2
- Backlit graphical display (128 x 64 pixels)
- Keyboard: 16 keys
- Navigation Pad: 8 keys
- Thermal graphic printer: 18 l/s, paper roll, diameter 50 mm
- Connections: TTL, RS232, 2 USB (host/slave)
- Audible beep
- Dimensions: 244 x 124 x 105 mm
- Weight: (about) 610 g.

## Options

- Magnetic reader: Track 1 / Track 2 / Track 3
- Pin-Pad:
  - PP30 (3 DES), keypad (20 keys), display (2 x 16 characters), Dimensions: 159 x 90 x 73 mm, Weight: 185 gr
  - PPC30 (DES, 3 DES, RSA), keypad (20 keys), graphic display
  - PPR30: Smart card Pin-pad reader.

## Associated tools

- Software Development Kit (SDK 30) and associated software modules (EMV Level 2,...)
- Download and IT management: TMS 30.

## Customisation

- Of face-plate
- Of screen.

## Security

- 32-bit security coprocessor (DES, 3DES, Master Key/Session Key, DUKPT,...)
- High security design
- VISA PED certified.

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