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cartes
de paiement

Stores

25 years
of electronic
transactions

SAGEM Monétel



TeliumPass

**Smart contactless reader
for payment**

- 32-bit RISC ARM7
- ISO14443-4, Mifare®
- Certified for payment
- USB, RS232

The fast track to Contactless



Sagem Monétel
SAFRAN Group



TeliumPass

The fast track to Contactless

Telium®Pass is an advanced range of Contactless Readers certified for Payments. TeliumPass is designed for fast, convenient and secure contactless transactions and open to a wide range of other contactless applications.



Reloading process

Designed for Payment

Interoperable

TeliumPass supports any contactless payment programs such as MasterCard® PayPass™ M/Chip and MagStripe, Visa® PayWave including qVSDC, MSD and Wave, ExpressPay™ from American Express®, QuicPay™ from JCB®. TeliumPass has achieved the level 1 compliance with the standard PayPass-ISO/IEC14443-4 A&B, ensuring Visa, MasterCard and JCB global interoperability.

Certified for "EMV" Contactless

The TeliumPass⁽⁺⁾ can run a full EMV equivalent payment application and is MasterCard level 2 certified for PayPass M/Chip and PayPass MagStripe, and Visa level 2 certified for PayWave qVSDC and PayWave MSD.

Private Schemes

TeliumPass can support other applications including loyalty, identification, logical access, value card, e-purse or e-passport, based on open or proprietary contactless technology such as NFC, Mifare®, Felica™...

Branding

The TeliumPass's generic landing zone legend can be replaced by a branded legend of the Acquirer, the Scheme and/or of the Issuer, highlighting their card acceptance at the merchant locations.

Fast, convenient and secure

Speed & Convenience

The ARM processor provides the processing power required for fast contactless transactions. A transaction can be carried out in milliseconds by simply passing a card in front of the TeliumPass unit.



Visa PayWave



Maestro PayPass and MasterCard PayPass

TeliumPass is equipped with a buzzer, 4 LED indicators and, optionally, a backlit display.

TeliumPass can also provide a loading facility to reload contactless e-purses and/or other stored value cards.

Security

The embedded crypto-processor supports standard encryption algorithms including DES, 3DES, RSA.

Up to 4 SAMs can be accommodated for the acceptance of e-purses and private stored value schemes.

Mifare®, proprietary security is optionally available.

Ease of Integration

TeliumPass can be fixed as a tabletop device or mounted on any vertical surface for maximum flexibility Point-of-Sale layout. The USB link speeds up the data exchange with host systems whether they are a payment terminal, cash register or PC. TeliumPass⁽⁺⁾ can be equipped with a RS232 serial link to upgrade non USB capable terminals.

A comprehensive range

TeliumPass is a comprehensive range of contactless readers:

- TeliumPass⁽⁺⁾ intelligent reader for payment,
- TeliumPass transparent reader for payment,
- Pass^(One) entry level device for non-banking private schemes.

TeliumPass⁽⁺⁾ supports the embedded EMV and MSD equivalent contactless payment applications and is an ideal device to upgrade any terminal with a certified solution for EMV contactless acceptance.

Telium® is a registered mark of Sagem Monetel.



TeliumPass⁽⁺⁾ and EFT30

Technical characteristics

- 32-bit RISC ARM7 microprocessor (50 MIPS)
- Memory: Flash 512Kb, RAM 104Kb
- 1 SAM (Secure Access Module) reader
- PayPass ISO/IEC14443 A&B (Level 1 Conformity Statements for v1.0 & v1.1)
- Mifare®
- Operating volume up to 10cm
- 4 LEDs
- Buzzer
- Connection: USB (with wire included)
- Power supply: via USB port
- Size: 145x109x19mm
- Weight: 170g

Options

- Mifare only, Felica, NFC
- Back-lit display: 128x64pts
- 4 SAM-readers
- Connection: RS232
- Power supply: 110/220V 50/60Hz
- Embedded contactless payment applications certified by Visa and MasterCard

TeliumPass Software Environment

- **Add-on-Contactless** of the Telium-SDK is available for Partners to tailor their application in connection with Telium® POS Terminals.
- **PC-to-Telium®** package is available on Windows XP- SP2® to connect TeliumPass to PC/ECR.
- **External-access-to-TeliumPass** interface specifications can be provided to connect TeliumPass to diverse systems and devices.
- **Access-to-Embedded-Security** such as DES, 3DES, RSA algorithms is available in option.
- **Payment Application Software Packages** available for TeliumPass⁽⁺⁾ only:
 - "Easy-Path-to-PayPass" speeding up the deployment of PayPass™ M/Chip and PayPass™ MagStripe solutions, certified by MasterCard®.
 - "Easy-Path-to-payWave" speeding up the deployment of PayWave qVSDC and payWave MSD solutions, certified by Visa®.
 - "Easy-Path-to-Contactless-MSD" speeding up the deployment of certified Visa PayWave and MasterCard PayPass, Magnetic Stripe equivalent solutions.

TeliumPass Design Awards

TeliumPass was awarded "Selection Observateur Design 2006", by the annual European Best Industrial Designs and has been granted "The 2006 Institute of Design Montréal Award".



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