mPOS Payment Device
xCE_E25 series

EMV L1&L2 | ((•)) | **pci** 3.1 | Bluetooth

E25 series, designed to work with a variety of smart phones and tablet PC's for secure payment transactions, provide a portable mobile payment solution with the competitive cost for different user demands.

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SPECIFICATIONS (E-25C/E-25M)

CPU
- ARM Cortex M3 Secure SoC

Operating System
- Saturn platform

Memory
- N/A

Display
- Reflective LCM: 128*32 graphics (Backlight is optional)

Encryption Pinpad
- 10 numeric keys & 5 functional keys

Smart Card Reader
- ISO7816-1/2/3 compliant
- SLE4442 Memory Card (1.8V/3V/5V available)
- Over 500,000 card insertions

Magnetic Stripe Reader
- ISO track# 1& 2 (Track 3 is optional)
- Support high coercivity cards
- Bi-direction read

Contactless Reader (E-25CA/E-25C)
- ISO14443 type A/B
- ISO18092 (NFC)
- Mifare
- MasterCard PayPass
- VISA PayWave
- Discover DPAS
- American Express ExpressPay
- Transaction LED (green)*4

Security
- Algorithm: TDES, RSA
- Key Management: MK/SK, DUKPT
- Secure Code Update Architecture
- Temper Responsive design to protect SCR

Security Access Module
- SAM*1 (Optional)

Communication Interface
- micro USB
- Bluetooth

Power
- Li-Ion Battery (3.7V)
    - E-25M: 260 mAH
    - E-25C: 1050 mAH

Dimension
- 103 (L) x 69 (W) x 19 (H) mm

Environmental
- Operating Temperature: 0°C to 45°C
- Storage Temperature: -20°C to 60°C
- Operating Humidity: 5% to 95% (non-condensing)

Common Approvals
- PCI PTS 3.1 SRED
- EMV L1/L2 Contact 4.2
- EMV L1 Contactless 2.0.1
- Mastercard TQM (IFM/PCD)
- Apple MFI (Optional)

Regulatory Certificates
- CB
- FCC Part 15B
- CE

Comparison Table

✓ : Yes ✕ : NA ◈ : Optional	E-25C	E-25M
Model	**E-25C**	**E-25M**
CPU : ARM Cortex M3 Secure SoC, 72MHz	✓	✓
Display : 128*32 graphics display (**Backlight is optional**)	Reflective	Reflective
Pinpad	✓	✓
Magnetic Stripe Reader : **-** Support high coercivity cards & Bi-direction read **(3 Track is optional)**	Track 1 & 2	Track 1 & 2
Smart Card Reader - ISO 7816 1/2/3, Asynchronous T=1 & T=0 - Support for 3V and 5V cards (Class A and Class B cards)	✓	✓
Contactless Reader - ISO14443 type A/B & ISO 18092 (NFC) - MasterCard PayPass, VISA Paywave, AMEX ExpressPay	✓	✕
Secure Access Module (SAM slot *1)	◈	✕
Bluetooth	✓	✓
Micro USB	✓	✓
Housing Treatment with Rubber Paint	◈	◈
Power : Li-Ion Battery (3.7V)	1050mAh	260mAh
Security	1. Key management MK/SK, DUKPT ; 2. Algorithm: TDES, RSA ; 3. Tamper responsive design	
Certifications	PCI PTS 3.1 (SRED) / EMV L1 & L2	
Dimension	103(L)*69(W)*19(H) mm	
Environmental	1. Operating Temperature: *0℃ to 45℃* ; 2. Storage Temperature: *- 20℃ to 60℃* ; 3. Operating Humidity: 5% to 95% (non-condensing)	