mPOS Payment Device
xCE_E50 series

EMV L1&L2   **pci** 3.1

xCE_E50 series, designed to work with a variety of smart phones and tablet PC's for secure payment transactions, provides a portable mobile payment solution with the competitive cost for different user demands.

grocerystore #cafeteria #streetpedlar
#vendingmachine

SPECIFICATIONS

CPU
- ARM Cortex M3 Secure SoC

Operating System
- Saturn platform

Encryption PIN Pad
- Built-in 4x3 encrypted PIN Pad
-
Smart Card Reader
- ISO7816- 1/2/3 compliant
- Over 500,000 card insertions

Magnetic Stripe Reader
- ISO 7811 with tracks #1/#2
(Track #3 is optional)
- Support high coercivity cards
Bi-direction read

Security
- Algorithm: TDES, RSA, AES, FPS
- Key Management: MK/SK, DUKPT
- Support online/offline transaction

Communication Interface
- micro USB * 1
- Audio Jack (**E-50-AJ** only)
- Bluetooth BLE (**E-50-BT** only)

Power
- Li-Ion Battery (3.7V/ 260 mAH)

Dimension
- 64 (L) x 67 (W) x 19 (D) mm

Environmental
- Operating Temperature: 0°C to 50°C
- Storage Temperature: -20°C to 60°C
- Operating Humidity: 5% to 95% (non-condensing)

Common Approvals
- PCI PTS 3.x SRED
- EMV L1/L2 Contact

Compliance
- CB
- CE
- FCC Part15B

Comparison Table

✓ : Yes ✕ : NA ◈ : Optional	E50-AJ	E50-BT
Model	**E50-AJ**	**E50-BT**
CPU : ARM Cortex M3 Secure SoC, 72MHz	✓	✓
Pinpad (4x3 encrypted PIN Pad)	✓	✓
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)	✓	✓
Bluetooth (Bluetooth 4.0 & BLE)	✕	✓
Audio Jack / cable (Support iOS/ Android/ Windows smart devices)	✓	✕
Micro USB	✓	✓
Housing Treatment with Rubber Paint	◈	◈
Power : Li-Ion Battery (3.7V)	260mAh	260mAh
Security	1. Key management MK/SK, DUKPT ; 2. Algorithm: TDES, RSA, AES, FPS 3. Tamper responsive design	
Certifications	PCI PTS 3.x (SRED) P2PE EMV L1 & L2	
Dimension	64 (L) x 67 (W) x 19 (D) mm	
Environmental	1. Operating Temperature: 0℃ to 45℃ ; 2. Storage Temperature: - 20℃ to 60℃ ; 3. Operating Humidity: 5% to 95% (non-condensing)	