

K107B/K107C

Smart Card Keyboard



Highlights

- The K107B/K107C supports secure PIN entry, which means, PIN authentication without transmitting the PIN to the host system.
- In addition, our keyboard is the industry's first to offer on-board flash. This enables future firmware and application enhancements that guarantee against obsolescence.
- The K107B/K107C offers the best price/performance ratio in the market.

Main Features

- On-board flash provides seamless firmware upgrades in the field
- High performance
- Fully tested and compliant with all major Smart Cards in the market
- True single-chip solution
- Customer base of global, top tier PC OEMs, systems integrators and smart card industry leaders
- Direct significant long-term relationships with all leading smart card manufacturers and application providers.

Technical Data

Host Interface

- Full speed USB (12 Mbps)
- Bus powered device

Keyboard

- 104 keys(US)/105 keys (Europe)
- Membrane key with tactile feeling
- Key caps laser printed/UV silk screen printed
- Autorepeat function
- Ergonomic requirements / standards

Smart Card Interface

- T=0, T=1 protocol support
- Memory card support through SCM MCARD API
- Communication speed up to 344,105 bps (PPS, FI parameter)
- Support ISO 7816 Class A and AB smart card
- Secure PIN entry via vendor specific IOCTLs

Smart Card Connector

- 8 contacts - ISO location
- Sliding Contact: Certified for 100,000 insertions
- Landing Contact: Certified for 300,000 insertions

Human Interface

- Keyboard: 3 LEDs, Num Lock, Scroll Lock, Cap Lock
- Smart Card: One dual state green LED

Cable/Power

- Cable: 1.8m long with USB type A connector
- Power through USB Bus

Dimension (L x W x H)

- K107B: 472 x 183 x 47.5 mm
- K107C: 457 x 183 x 50 mm

Operating Temperature

- 0°C to 50°C Celsius

OS

- Windows 98, Me, 2000, XP, CE

API

- PC/SC
- CT-API (thru wrapper on top of PC/SC)

Approval

- FCC Class B part 15, CE
- USB
- Microsoft WHQL Me, 2000, XP
- EMV 2000 Level 1(K107B)

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