

# K107D

## Biometric Smart Card Keyboard



### Highlights-Smart Card Reader

- Contact smart card reader complying with all major international standards including, ISO 7816 and EMV.
- Microsoft PC/SC certified.
- Supporting all CPU-based Smart Cards and memory cards.
- High-speed communication designed for Digital Signature and PKI systems.
- Upgradeable Flash Memory.
- Powered by ASEDrive

### Highlights Biometric Sensor

- Silicon Fingerprint Sensor.
- Precise BioMatch™ Pro (requires license) and BioAPI support.

### Highlights - Keyboard

- Highly reliable membrane contact technology.
- Low noise and low profile key switch for quiet and easy typing.

### Superior Smart Card Performance

Modern applications for smart cards such as Digital Signature, Digital Certificate Verification and PKI require higher performance of the smart card readers. **K107D** was carefully designed to ensure higher communication speeds, in order to reduce the time needed for communication intensive operations. **K107D** also delivers higher clock frequency to smart cards. It reduces time for CPU intensive operation, such as cryptographic calculations. With these high performance features, **K107D** ensures the unparalleled throughput required in modern smart card applications.

### Reliability

The K107D keyboard is designed with the most reliable membrane contact technology, while the smart card reader's landing contacts ensure long card life.

### Technical Specification

- Host Interface** ■ Full speed USB(12Mbps)
- Keyboard** ■ 104/105 keys
  - Membrane key with tactile feeling
  - Auto-repeat function
- Smart Card Interface**
  - T=0,T=1 protocol support
  - Memory card support
  - Communication speed up to 323Kbps
  - ISO 7816 Class A and AB
  - Secure PIN entry (Specific IOCTL)
- Smart Card Connector**
  - 8 contacts-ISO location
  - Certified for 300,000 insertions
  - Landing contact
- Cable** ■ 1.8m with USB type A
- Biometric Sensor**
  - Authentec AES400 Sensor
  - 250 dpi sensor resolution
- OS** ■ Windows 2000, XP, 2003
- API** ■ PC/SC
  - CT-API (PC/SC wrapper)
  - BioAPI
  - Precise BioMatch™ Pro(requires license)
- Approval** ■ FCC Class B part 15. CE
- USB** ■ Microsoft WHQL Me, 2000, XP

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