

ASEDrive KB **Smart Card Keyboard**



Highlights – Smart Card Reader

- Contact smart card reader complying with all major international standards including, ISO7816, EMV, Mondex, and JICSAP.
- Microsoft PC/SC certified.
- Supporting all CPU-based smart cards as well as SLE compatible family of protected memory and I2C-Bus memory cards.
- High-speed communication designed for Digital Signature, Digital Certificate and PKI systems.
- Upgradeable Flash Memory.

Highlights - Keyboard

- Highly reliable membrane contact technology.
- Rubber sheet and 3 layers of membrane mechanism.
- Low noise and low profile key switch for quiet and easy typing.
- Laser printed keycaps for longer wear.
- Adjustable typing angles for comfort and more relaxed posture.

The most valuable Smart Card Keyboard

ASEDrive KB is a member of Athena's new family of smart card readers. **ASEDrive KB** supports all major international standards such as ISO7816 and EMV, as well as industry and de facto standards such as Microsoft's PC/SC. All ISO7816 compliant CPU-based smart cards, as well as most memory cards are supported.

ASEDrive KB is one of the most cost effective smart card keyboards, while providing excellent performance, compatibility and upgradeability.

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. **ASEDrive KB** was carefully designed to ensure higher communication speeds, in order to reduce the time needed for communication intensive operations. **ASEDrive KB** also delivers higher clock frequency to smart cards. It reduces time for CPU intensive operation, such as cryptographic calculations. With these high performance features, **ASEDrive KB** ensures the unparalleled throughput required in modern smart card applications.

Reliability

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



Specifications are subject to change without notice.

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	ASEDrive KB
Smart card support	CPU Cards ISO7816-1,2,3,4 compliant (T=0,T=1) Memory Cards SLE4418, 4428, 4432,4442, PCF2042, I2C-Bus, Extended I2C-Bus
Host Operating System	Windows XP, 2000, 2003 Server, NT, 98, 98SE, Me, Linux
Host Interface	RS-232 115,200 bps
Card operating voltage	5V (ISO7816 Class A) 3V (ISO7816 Class B)
Card operating frequency	4, 8 and 16 MHz
Card to Reader communication speed	Up to 230 Kbps at 4 MHz
Smart Card Acceptor	High durability landing type, up to 500,000 insertions
Supported standards	ISO7816-3, PC/SC, EMV Level 1, Mondex, WHQL for Win 98, Me, NT, 2000, and XP
Safety and Environmental	UL, FCC Class B, CE, TUV
Power source	5V from PS/2
Keyboard Dimension	470(L) x 189(W) x 54(H) mm / with palm rest; 1.2 kg
Packing Dimension	493(L) x 229(W) x 60(H) mm / with palm rest; 1.47 kg
Capacity of Container	20 feet: 2560 pcs 40 feet: 5632 pcs