

**ASEDrive IIIe KB - Bio**  
**Integrated Fingerprint Sensor**  
**Smart Card Keyboard**  
**USB (2.0 Full Speed) Interface**



**Highlights – Smart Card Reader**

- Contact smart card reader complying with all major international standards including, ISO7816 and EMV.
- Microsoft PC/SC certified.
- Supporting all CPU-based Smart Cards and optional support for memory cards.
- High-speed communication designed for Digital Signature and PKI systems.
- Upgradeable Flash Memory.

**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.

**The most valuable Smart Card Keyboard**

**ASEDrive IIIe KB - Bio** is a member of Athena's new family of smart card readers. **ASEDrive IIIe KB - Bio** 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, are supported. The reader maintains optional support for memory cards.

**ASEDrive IIIe KB - Bio** is one of the most cost effective Biometric 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 IIIe KB - Bio** was carefully designed to ensure higher communication speeds, in order to reduce the time needed for communication intensive operations.

**ASEDrive IIIe KB - Bio** 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 IIIe KB - Bio** ensures the unparalleled throughput required in modern smart card applications.

## Reliability

The **ASEDrive IIIe KB - Bio** 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.

All trade marks and trade names are property of their respective owners. Copyright © 2007 Athena Smartcard Solutions Inc.

Host Interface	<ul style="list-style-type: none"> <li>• Full speed USB (12 Mbps)</li> </ul>
Keyboard	<ul style="list-style-type: none"> <li>• 104/105 keys</li> <li>• Membrane key with tactile feeling</li> <li>• Auto-repeat function</li> </ul>
Smart Card Interface	<ul style="list-style-type: none"> <li>• T=0, T=1 protocol support</li> <li>• Flash Upgradeable</li> <li>• Communication speed up to 344Kbps</li> <li>• ISO 7816 Class A and AB</li> <li>• Secure PIN entry ( Specific IOCTL)</li> </ul>
Smart Card Connector	<ul style="list-style-type: none"> <li>• 8 contacts - ISO location</li> <li>• Certified for 300,000 insertions</li> <li>• Landing contact</li> </ul>
Cable	1.8 m with USB type A
Biometric Sensor	<ul style="list-style-type: none"> <li>• UPEK –TCS2 TouchChip® sensor.</li> <li>• 208 x 288 pixels</li> <li>• 10.4 x 14.4 mm</li> </ul>
OS	<ul style="list-style-type: none"> <li>• Windows 2000, XP, Vista, 2003</li> </ul>
API	<ul style="list-style-type: none"> <li>• PC/SC</li> <li>• Precise BioMatch™Pro (requires separate license)</li> </ul>
Approval	<ul style="list-style-type: none"> <li>• FCC Class B part 15, CE</li> <li>• Microsoft WHQL Me, 2000, XP, Vista, 2003</li> </ul>