

**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 memory cards.
- High-speed communication designed for Digital Signature and PKI systems.
- Upgradeable Flash Memory.

**Highlights – Biometric Sensor**

- Silicon Fingerprint Sensor 500 dpi.
- 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, as well as major memory cards are supported.

**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.

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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>• Memory card support</li> <li>• Communication speed up to 323Kbps</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 200,000 insertions</li> <li>• Landing contact</li> </ul>
Cable	1.5m with USB type A
Biometric Sensor	<ul style="list-style-type: none"> <li>• UPEK – TCRU2C Sensor</li> <li>• 500 dpi sensor resolution</li> <li>• TouchChip® technology</li> </ul>
OS	<ul style="list-style-type: none"> <li>• Windows 2000, XP, 2003</li> </ul>
API	<ul style="list-style-type: none"> <li>• PC/SC</li> <li>• CT-API (PC/SC wrapper)</li> <li>• BioAPI</li> <li>• Precise BioMatch™Pro (requires license)</li> </ul>
Approval	<ul style="list-style-type: none"> <li>• FCC Class B part 15, CE</li> <li>• Microsoft WHQL Me, 2000, XP</li> </ul>