

ASEDrive IIIe – Bio F2
Integrated Fingerprint Sensor
Smart Card Reader
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

- Area Touch Sensor
- Precise BioMatch™Pro (requires license) and BioAPI support.
- CMOS active capacitive pixel-sensing

Top performance Bio Smart Card Reader

ASEDrive IIIe – Bio F2 is a member of Athena's new family of smart card readers. **ASEDrive IIIe – Bio F2** 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 – Bio F2 is one of the most cost effective Biometric smart card readers, 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 – Bio F2 was carefully designed to ensure higher communication speeds, in order to reduce the time needed for communication intensive operations.

ASEDrive IIIe – Bio F2 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 – Bio F2** ensures the unparalleled throughput required in modern smart card applications.

Reliability

The **ASEDrive IIIe – Bio F2** is designed with the most reliable contact smart card and biometric sensor technology to ensure long reader and card life.



Specifications are subject to change without notice.

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Host Interface	<ul style="list-style-type: none"> • Full speed USB (12 Mbps)
Smart Card Interface	<ul style="list-style-type: none"> • T=0, T=1 protocol support • Flash Upgradeable • Communication speed up to 344Kbps • ISO 7816 Class A and AB •
Smart Card Connector	<ul style="list-style-type: none"> • 8 contacts - ISO location • Certified for 100,000 insertions • Friction contact
Cable	1.8 m with USB type A
Biometric Sensor	<ul style="list-style-type: none"> • UPEK – TouchChip™ TCS2 • 208 x 288 pixels • 10.4 x 14.4 mm
OS	<ul style="list-style-type: none"> • Windows 2000, XP, Vista, 2003
API	<ul style="list-style-type: none"> • PC/SC • Precise BioMatch™ Pro (requires separate license)
Approval	<ul style="list-style-type: none"> • FCC Class B part 15, CE • Microsoft WHQL 2000, XP, Vista, 2003