

## **AET65 Smart Card Reader with Fingerprint Sensor Software Development Kit**



The AET65 Smart Card Reader with Fingerprint Sensor Software Development Kit enables users to efficiently develop new applications and systems, as well as incorporate the AET65 Smart Card Reader and Fingerprint functionalities into existing applications. Included in the package are sample cards, sample codes, tools and utilities, demo applications, and reference materials that help developers, who may not have an in-depth knowledge of biometrics, integrate fingerprint authentication into smart card-based applications very easily.

### **AET65 Smart Card Reader /Fingerprint Reader**

- Integrated fingerprint scanner and smart card reader
- Full Speed USB interface
- Encrypted fingerprint template stored inside smart card
- AET65 Contact smart card reader:
  - Compliant with PC/SC specification
  - Read/write speed up to 250 kbps
  - Supports all MCU card with T=0 or T=1 protocols
  - Supports ISO 7816 Class A, B and C (5V, 3V and 1.8V) cards
  - ISO 7816 Compliant SAM Slot
- Fingerprint scanner:
  - Match-on reader: Template extraction and matching algorithms run within the device itself, not in the PC (Using default fingerprint algorithm)
  - UPEK TCS4-TCD50 swipe fingerprint sensor
  - Swipe speed of up to 40 cm/sec (15 in/sec)
  - Active sensor size - 9.6 mm x 0.2 mm
  - High-resolution 508 DPI imaging, array size 192 x 4 pixels
  - Supports image optimization and filtering
  - Utilizes CMOS active capacitive pixel-sensing technology, resulting to high-quality fingerprint images in any environment
  - Compliant with BioAPI 1.1 specification and Windows Biometric Framework
  - Supports 3rd-party fingerprint algorithms

### **Test Cards**

- 5 ACOS3 cards
- 2 ACOS6 cards

- 1 ACOS6 SAM card

## **CD-ROM**

- Software drivers
  - Supports Windows 98, ME, 2000, NT 4.0, XP and Vista and Linux (Kernel <2.6)
- Demo programs
  - Biometric Demo – shows the different functionalities of the AET65 fingerprint sensor
  - BioBanking Demo – performs simulated banking transactions for clients using ACOS cards and AET65 Smart Card Reader and Fingerprint Sensor
- Utility Tools
  - CardTool – utility program that allows you to send commands to any PC/SC-compliant smart card reader and to any ISO-7816 T=0 compliant smart card
  - QuickView – utility program that checks for proper driver installation of the AET65 device
- Sample codes
  - Demonstrate basic commands used to communicate between readers and cards
  - Java, MS Visual Basic 6.0 MS Visual Basic.NET 2008, MS Visual Basic.NET 2008 (x64), MS Visual C# .NET 2008, MS Visual C# .NET 2008 (x64), MS Visual C++ 6.0, MS Visual C++ 6.0 (x64), and Turbo Delphi
- Reference Manuals
- Technical Specifications