Optical fingerprint sensor and smart card reader

The perfect combination of a high quality optical fingerprint reader and a smart card reader.

- Standard smart card reader
- Excellent quality optical fingerprint sensor
- Ready for Match-on-Card
- Compatible with many authentication softwares
- Microsoft Windows and Linux compatibility

www.covadis.ch
Alya™ is a solution built by the association of a fingerprint reader and a smart card reader.


It is especially suitable for multi-factor identification and authentication (using Match-On-Card technology for instance).

Alya™ is already compatible with many authentication softwares like:

- Autentyka™
- Digital Persona Pro
- Microsoft PKI login

The fingerprint reader provides a strong authentication factor for a wide range of applications and can help to simplify password management.

The optical fingerprint reader quality, which meets governmental requirements, makes Alya™ a perfect choice for e-government applications as well.

**Description**

**Advantages**

- Very good fingerprint recognition with all types of fingers (dry, damaged ...)
- Easy integration in PKI environment
- Based on award winning product design of Atria

**Technical Information**

**Hardware Specifications**

- Colors: white and grey
- Dimensions: 84 x 81 x 140 mm
- Weight: 315 g
- Operating conditions: 0 °C - 40 °C, 85% RH max humidity (non-condensing)
- USB supply USB 2.0 / 5V DC, 420 mA max

**Interfaces**

- Fingerprint reader: Digital Persona U.are.U 4000B
- Smart card reader: ISO 7816, PC/SC - Gemalto Gemcore chip
- USB 2.0 Full speed, compatible USB 1.1

**Compliance & Certifications**

- Supports ISO7816 Class A, B and C (5V, 3V, 1.8V)
- Supports all ISO7816 TA1 parameters (up to 344 Kbps)
- Reads from and writes to all ISO 7816-1,2,3,4 microprocessor cards, T=0 and T=1
- Short circuit detection
- Smart card connector is 8 friction contacts - ISO location, guarantee for 100,000 insertion cycles
- EMV level 1 mechanically compliant
- EMV level 1 compliant
- Embossed smart cards are supported
- Microsoft WHQL certification
- USB 2.0 Full speed, compliant USB 1.1
- CE, RoHS, WEEE

**Requirements**

For Microsoft Windows:

- Windows XP Professional, Windows 2003 server, Windows Vista 32 & 64 bits, Windows Seven 32 & 64 bits

For Linux:

- Kernel 2.6
- libccid >= 1.3.8
- libfprint >= 0.0.6

**Contact us**

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