



Auriga™

Intelligent biometric smart card reader

A powerful and flexible device offering you the best of biometrics and smart cards.

- High security and top performance at a competitive pricing
- Match-On-Card, Match-On-Device and small AFIS
- Multi-services with secure upgrade
- Works connected to a computer, or standalone
- Stores up to 50'000 fingerprint templates
- Compatible with Windows (including W7), Mac or Linux





Advantages

- Embedded verification of the fingerprint for improved security
- Embedded identification of users (small AFIS)
- Advanced design for the user comfort
- High speed fingerprint recognition engine (up to 20'000 matches/second)
- Highly customizable solution

Description

Auriga™ is an intelligent device processing high quality fingerprints and secure data from smart cards.

Auriga™ performs fingerprint verification and identification within the device itself:

- all your personal biometric data is secured by the device
- malicious software cannot interfere in the verification/identification process
- fingerprint templates may be stored on a smart card, in the device itself (small AFIS), on the host or if necessary on a server.

Auriga™ is suitable for environment with large numbers of users, as in all types of e-government services, as well as, for desktop applications in industrial enterprises, financial institutions, health applications, etc.

Auriga™ is compatible with almost all smart cards including national ID cards and Match-on-Card enabled smart cards.

Auriga™ can be customized to support specific smart cards or to add new capabilities (workflows, algorithms, template formats).

Auriga™ is supported by the main operating systems: Microsoft Windows, Linux & Mac OS.

Covadis, your trusted partner

Reliable

- 10 years of experience in secure devices
- Dedicated Research & Development team
- Strong technological partnerships

Customer support

- Product customization
- Product branding
- Personalized production profile

Innovative products

- Use state-of-the art security concepts
- Original product design including ergonomic and aesthetic aspects
- Focus on interoperability (with standards and leading technologies)
- Multi-platform support

Technical Information

Hardware Specifications

- Colors: light grey / black / silver
- Dimensions: 105 x 100 x 64 mm
- Weight: 355 g / 12.05 oz
- Operating Conditions: 0 °C - 55 °C / 32 °F - 131 °F
- Power supply: USB 2.0 bus powered / 5V DC, 200mA max

Interfaces

- Fingerprint sensor: UPEK TCS1 (508 dpi / 256 x 360 pixels / full 8-bit greyscale) - FIPS 201 certified
- Smart card reader: ISO 7816, PC/SC
- Secure IC (TPM-like module)
- SAM module
- USB 2.0 High speed bus, compliant USB 1.1 / 150 cm captive cable

Embedded Services

- Match-On-Card (ISO, ANSI and ILO SID fingerprint templates)
- Match-On-Device (embedded database, storage on card, on host or on a server)
- Small-AFIS (up to 50,000 fingerprint templates, up to 20'000 matches/second)
- Secure upgrade (new services, new smart cards...)
- Device Identification

Compliance & Certifications

- Support of ISO7816 Class A, B and C (5V, 3V and 1.8V smart cards); of all ISO7816/ TA1 parameters; embossed smart cards; Short circuit detection
- Driver: USB CCID
- USB 2.0 Full speed, compliant USB 1.1 / USB-IF
- CE / RoHS / WEEE

Supported Platforms

- Microsoft Windows: 2000, XP, Vista, 7, 2003 Server
- Linux Kernel > 2.6
- Mac OS X

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