



sekure™ 5

tricubés desktop optical biometric smartcard reader

The Sekure 5.0 is our latest Generation of of the Tricubés, Identity Authentication Solution, product range, which is widely known for its simple yet highly secured smartcard reading and biometrics verification technology. This latest product will be powered with the latest chipset with 32 Bit Arm M3 Cortex Core that will boost the performance and also the speed of reading the smartcard. The new product will come with 1M FLASH and 128kB Ram that will give flexibility to have authentication done within the device instead of the PC. It is also equipped with the latest Safran Morpho's second generation biometric module that complies with FBI PIV IQS standard that offers high quality images with high accuracy and exceptional robustness. Other features such as industrial grade cable to connect to the PC and also strong encryption technology and a tamper resistance chassis will be the standard feature for this product.

The Sekure 5.0 will also be backward compatible with the previous Tricubés Sekure Product Range that have been deployed in the market.



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Product Specifications

Physical

- Physical Dimensions 67mm x 38mm x 15mm
- Weight: 90g
- Material PC / ABS

Product Features

- LED light display indicator and buzzer
- 1 Smartcard reader (ID-1, ISO-7816 1/2/3/4)
- Safran Optical fingerprint biometrics scanner
- FBI PIV IQS certification for fingerprint image quality
- FIPS 201 and MINEX compliant template generator and matcher
- Large capture area 14x22mm High-performance optical sensor (500 dpi)
- Fast one-to-one authentication (0.9 sec) and one-to-many identification (1 sec for 500 users)
- Large database capacity up to 10,000 templates
- Versatile, same device for enrollment and identification
- Multiple formats available:
 - Fingerprint images : RAW, ISO 19794-4, WSQ-compressed (under license)
 - Fingerprint templates: Morpho proprietary, ISO 19794-2, ANSI/INCITS 378
- High accuracy
The false acceptance rate (FAR) can be adjusted down to 10E-8 depending on the required level of security. Suitable for juvenile fingers processing

Connectivity

- USB

Processor

- Powered by an ARM® CORTEX™ -M3- BASED
- 120MHz CPU/150 DMIPS, up to 1 Mbyte of Flash with advanced connectivity and encryption

Power consumption

- Fully operating, sensor on: 300mA - max @ 5V
- Fully operating, sensor off: 100mA - max @ 5V

Environmental

- Operating temperature: -10°C to +50°C

System Requirements

- Microsoft Windows 2000 / XP / NT / VISTA / Windows 7 / Windows 8.1, Windows 10 and MAC OS
- Java platform also supported
- (Service pack 6A)
- Minimum Pentium II

Optional

- 1 SAM slot
- Contactless reader - MIFARE® ISO-1443 A/B - optional
- WHQL certified driver (by Microsoft®)*

Software

- Software Development Kit (SDK) - available separately

Applications

- Logical access control
- Single sign on
- End-to-end user authentication (in client/server applications)
- Smartcard National ID

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For latest product updates and information please visit our website or email us at info@tricubes.com

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