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sekure™ 5

tricubes desktop optical biometric smartcard reader

The Sekure 5 is our latest generation of Tricubes' Identity Authentication Solution product range, which is widely known for its simple yet highly secured smartcard reading and biometrics verification technology. This latest product is powered by the latest chipset a 32 Bit Arm M3 Cortex Core that boosts the performance and speed of reading smartcards. This stylish reader comes with a 1M FLASH and 128kB Ram that will enable on device verification instead of the PC. It is also equipped with the latest Safran Morpho's second generation biometric module that complies with FBI PIV IQS standards and offers high quality images with high accuracy and exceptional robustness. Other standard features of this product include an industrial grade cable to connect to the PC, a strong encryption technology and a tamper resistance chassis.

The Sekure 5 is also backward compatible with the previous Tricubes Sekure products that have been deployed in the market.

Microsoft
CERTIFIED
Partner

MSC
MALAYSIA
Status Company

sekure⁵



Product Specifications

Physical

- Physical Dimensions 120mm x 62mm x 34mm (LxWxH)
- Weight: 50g
- 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 less then (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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Tricubes continually improveing its product as new technologies and components become available. Tricubes therefore reserve the right to change specifications without prior notice. All product features, functions and operations described herein may not be marketed in all parts of the world.

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

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<http://www.tricubes.com>