



## Precise BioMatch™ ISO C



- **Standardized Match-on-Card algorithm based on ISO 19794-2 for integration to Card Operating System**
- **Optimized for usage with Precise Biometrics' top-ranked minutiae extractor**
- **Interoperable – can be used together with any ISO 19794-2 template extractor**
- **Flexible design - built to be optimized to specific requirements on memory and matching speed**

Precise BioMatch™ ISO C is a Match-on-Card software module for integration of standardized Precise BioMatch™ technology into any Card Operating System (COS). It is based on the ISO 19794-2 Compact Card (CC) standard.

Precise BioMatch™ ISO C is optimized for usage with standardized templates generated by the Precise BioMatch™ ISO MoC Toolkit but is interoperable with all ISO 19794-2 CC templates.

To enable integration on different smart cards with different requirements, Precise BioMatch™ ISO C can be specifically configured depending on available RAM and EEPROM as well as requirements on matching speed.

The integration of Precise BioMatch™ ISO C is done in close co-operation between the card/chip manufacturer and Precise Biometrics, and a biometric validation of the integration by Precise Biometrics is included.

Precise Match-on-Card™ is the concept of both storing and matching fingerprints on a smart card. By replacing PINs and passwords with fingerprint recognition using Precise Match-on-Card™ technology, security is enhanced and costs cut – without the need for a central database.



# Precise BioMatch™ ISO C

## PRECISE BIOMATCH™ ISO C INCLUDES

- ISO 19794-2 CC matcher for Match-on-Card applications
- Integration support
- Biometric performance validation
- Adaption of algorithm to specific requirements on demand

## PRODUCT FEATURES

- Standardized Match-on-Card technology based on ISO 19794-2
- Optimized for templates generated by Precise BioMatch™ ISO MoC Toolkit
- Interoperability with other ISO extractors
- Configurable to suit specific cards

## TYPICAL CONFIGURATION/OPTIMIZATION POSSIBILITIES

- RAM: 2,048 bytes
- Code size: 8-24 kB (depending on card architecture)
- Template size: 2,370 bytes

*This data is based on a standard configuration. It is possible to configure and optimize for specific card platforms, e.g. reducing the RAM or EEPROM as well as improving computational performance.*

*Please note that the actual ISO minutiae template is a lot smaller but that additional information is stored to speed up the matching process on the card.*

## STANDARD COMPLIANCE

- ISO 19794-4
- ISO 19794-2
- ISO 7816-11

## RELATED PRODUCTS

- Precise BioMatch™ ISO MoC Toolkit
- Precise 200 MC
- Precise 250 MC
- Precise Sense Series

All specifications can be subjected to change without notice

