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