SAGEM
MORPHOKIT™

1 : N identification •

1 : 1 authentication •

World-wide recognized SAGEM algorithms •

Software Development Kit •

MORPHOSMART™ fingerprint sensor •

Leading edge solution for fingerprint identification

SAGEM

Technology in action

SAGEM MORPHOKIT™

Nowadays, individuals carry cards to open doors, retrieve cash or work with computers, having to remember secret codes, passwords and/or PIN's to authorise access to places and services.

Biometric identification, using sophisticated digital finger imaging technology, has revolutionized the market for logical and physical access control systems. At the forefront of such technology is the MORPHOKIT™ system, developed and manufactured by SAGEM to meet the most demanding access control requirements, with or without cards. Operating in any PC based environment, the MORPHOKIT™ is the ideal security solution.

System integrators and Value Added Resellers can now benefit directly from SAGEM's global expertise in extremely accurate and reliable finger imaging technology. The MORPHOKIT™ provides a positive response to controlling access to products, places and services.

The SAGEM MORPHOKIT™ is a development package adaptable to an ever-expanding range of customer applications such as; passports, ID cards, banking services, welfare provision, network security, access control, time & attendance, law enforcement, medical record maintenance. Embedded solutions are also available, and software elements may be purchased separately, as a package, under the name of MORPHOSOFT™.

The MORPHOKIT™ contains all the tools necessary to perform authentication and/or identification procedures, based on a proven finger imaging technology which has set industry standards for the past 20 years.

The MORPHOKIT™ is composed of the MORPHOSMART™* MSO 100 fingerprint sensor and the MORPHOSOFT™ development suite.

Software

The MORPHOKIT™ includes two software components:

MORPHOIMAGING™: For the image quality optimization, during acquisition and preprocessing.

MORPHOSOFT™: For the biometric functions necessary to template extraction (processing of a fingerprint image) and fingerprint verification or identification.

Technical specifications

Environment: WINDOWS® 98 or WINDOWS® NT WINDOWS® 2000

MORPHOKIT™ VERIF

- Complete one-to-one finger authentication:
    - Can be connected to different kinds of optic sensor from the SAGEM range (MORPHOTOUCH™…)
    - Image acquisition electronic board for video output fingerprint scanner
    - Software library for one-to-one matching
    - Comprehensive integration manuals for complete installation and development
    - Authentication speed 1 second
    - Fingerprint image compression according to the WSQ (Wavelet Scalar Quantization) standard

MORPHOKIT™ IDENT-LITE

- One to many fingers identification:
    - Can be connected to different kinds of optic sensor from the SAGEM range (MORPHOTOUCH™…)
    - Image acquisition electronic board for video output fingerprint scanner
    - Software library for one-to-many search and match
    - Identification database of 20,000 fingerprints
    - Comprehensive integration manuals for complete installation and development
    - Identification speed 1 second for a database of 20,000 fingerprints
    - Fingerprint image compression according to the WSQ (Wavelet Scalar Quantization) standard.

* for more information about the MORPHOSMART™, please check the MORPHOSMART™ datasheet

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