



MORPHOTOUCH™

*The fully-featured
biometric identification
terminal*

- 1 : N identification
- 1 : 1 authentication
- Local database
- World-wide recognized Sagem DS algorithms
- Built in smart card reader
- LAN and serial link connection
- Software Development Kit



Sagem Défense Sécurité
SAFRAN Group



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Today's industries, government, healthcare, banks, increasingly rely on automatic people identification; as they increase, so do attempts to defraud. In response to this threat, people must identify themselves in order to prove that they are personally authorized to conduct any given process.

Of all biometric technologies, finger imaging is the most accurate, easy to use, and mature. Sagem DS breakthrough MORPHOTOUCH™ product combines proven fingerprint identification technologies with state-of-art card readers components in an affordable, self-contained package.

The MORPHOTOUCH™ can be used in a wide variety of uses, ranging from banking, border control, loyalty programs, time & attendance, physical access control to enrolment applications.

The MORPHOTOUCH™ 32-bit general-purpose processor, and snap-in non-volatile memory and security modules support existing applications and provide the resources to enable new functions. Two serial ports, an ethernet port, magnetic stripe reader and smartcard reader are standard. The MORPHOTOUCH™ also supports a wide variety of I/O options, including a snap-on 2D bar-code reader and a software for mobile phone link (GSM).

The MORPHOTOUCH™ Software Development Kit (SDK) enables system integrators and Value Added Resellers to easily create, design, test, certify, and customize electronic secure trans-

action applications to suit any purpose using an industry-standard programming environment (MICROSOFT® Visual C++).

World leader in fingerprint recognition systems and other high-performance, mission-critical systems development and integration, Sagem DS will provide your company with its experience in creating systems that today manage more than 1 billion fingerprint records.

Software

The MORPHOTOUCH™ 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.

The MORPHOTOUCH™ may also be used as capture terminal in the MORPHOKIT™ environment.

Technical specifications

- Finger scanner: high resolution (500 dpi) optical scanner
- Processing unit: general purpose 32 bit CPU, capable of executing enrolment, authentication, identification and customized applications
- Internal records storage: up to 48,000 persons (2 fingers)
- Keypad: 15 alphanumerical keys + 4 programmable function keys
- Screen: LCD back lighted graphical display (136x34 dots)
- Card readers: smart card ISO 7816
3 MicroSIM slots
(available on specific demand)
magnetic card ISO 1&2, 2&3
- I/O port: 2 serial ports, RS 232
1 Ethernet link, 1 extension port
- Standard compliance: EC mark and UL-FCC conformity
- Optional: 2D bar code reader, battery pack
- Fingerprint image compression according to WSQ (Wavelet Scalar Quantization) standard.

	MT 150	MT 200	MT 400
Smart Card	No	Yes	Yes
Database Size	1000	1000	48000

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