



OUTDOOR MORPHOACCESS™

Finger identification for physical access control

- Weatherised for outdoor use
- 1:1 authentication & 1:N identification
- Local and remote database management
- LAN and serial link connection
- Standalone or networked operation



Sagem Défense Sécurité
SAFRAN Group



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Keys are lost and cards are forged, but fingerprints are unique and permanent. Sagem has designed the MorphoAccess™ terminal to confirm identity by taking advantage of the unique qualities of each person's fingerprint pattern. The unit can be programmed to grant access via I.D. confirmation with a central server or locally on the unit. In either configuration, verification of identity triggers the facility's door strike to allow entry. To further ensure security, the unit also can be configured to operate with a token such as a proximity card. Sagem introduces the weatherised version of the unit, the Outdoor MorphoAccess™ (OMA) which has been developed specifically for outdoor applications and includes a ruggedized/ weather-resistant case. This unit comprises all of the features and options available with the indoor model.

The OMA includes the Sagem algorithms for optimising image quality and fingerprint processing (MorphoSoft™ & MorphoImaging™).

- Weatherised for outdoor use (IP 65 rated)
- 1:1 Authentication & 1:N Identification

- Local and remote database management
- LAN and serial link connection
- Standalone or networked operation
- Up to 48,000 internal record storage capacity

The OMA range comprises the following products: OMA 200, OMA 300, OMA 220.

Applications

- Easily integrated in access control and time and attendance systems
- Plug and Play solution for existing systems.

Software

The OMA does not require any software development. It is delivered with an application that can be easily customised.

Technical specifications

MorphoAccess Unit

- Visor protects display and sensor
- 500 dpi resolution finger scanner, 22mm x 24mm
- Backlit LCD graphical display, 136 x 34 pixels
- Backlit keypad with 12 keys (0 to 9,*,#) plus four programmable function keys

Memory

- 8 MB RAM; 4 MB for operating system/libraries/applications
- Optional 32 MB for data storage

Local database storage

- OMA 200: Authentication (1:1) & Identification (1:N) for an 800 person database
- OMA 300: Authentication (1:1) & Identification (1:N) for 16 databases of 3000 persons each
- OMA 220 (with an integrated MIFARE® card reader): Authentication against the biometric data contained in a contactless card.

Communication ports

- Wiegand and data clock ISO-2: input & output
- RS422
- Ethernet 10BT

Power consumption

- 12 VDC 2.5 amp minimum

Environmental specifications

- Operating temperature: - 10°C to + 45°C
- Relative humidity: 0% to 90%, non-condensing
- Fluid ingress and dust protection: Rated for IP 65

Mechanical

- Length: 218 mm, Height: 289 mm, Depth: 99 mm
- Weight: 2 kg

Certifications

- FCC Class B part 15
- UL and cUL listed
- IP65 rated
- CE compliant

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