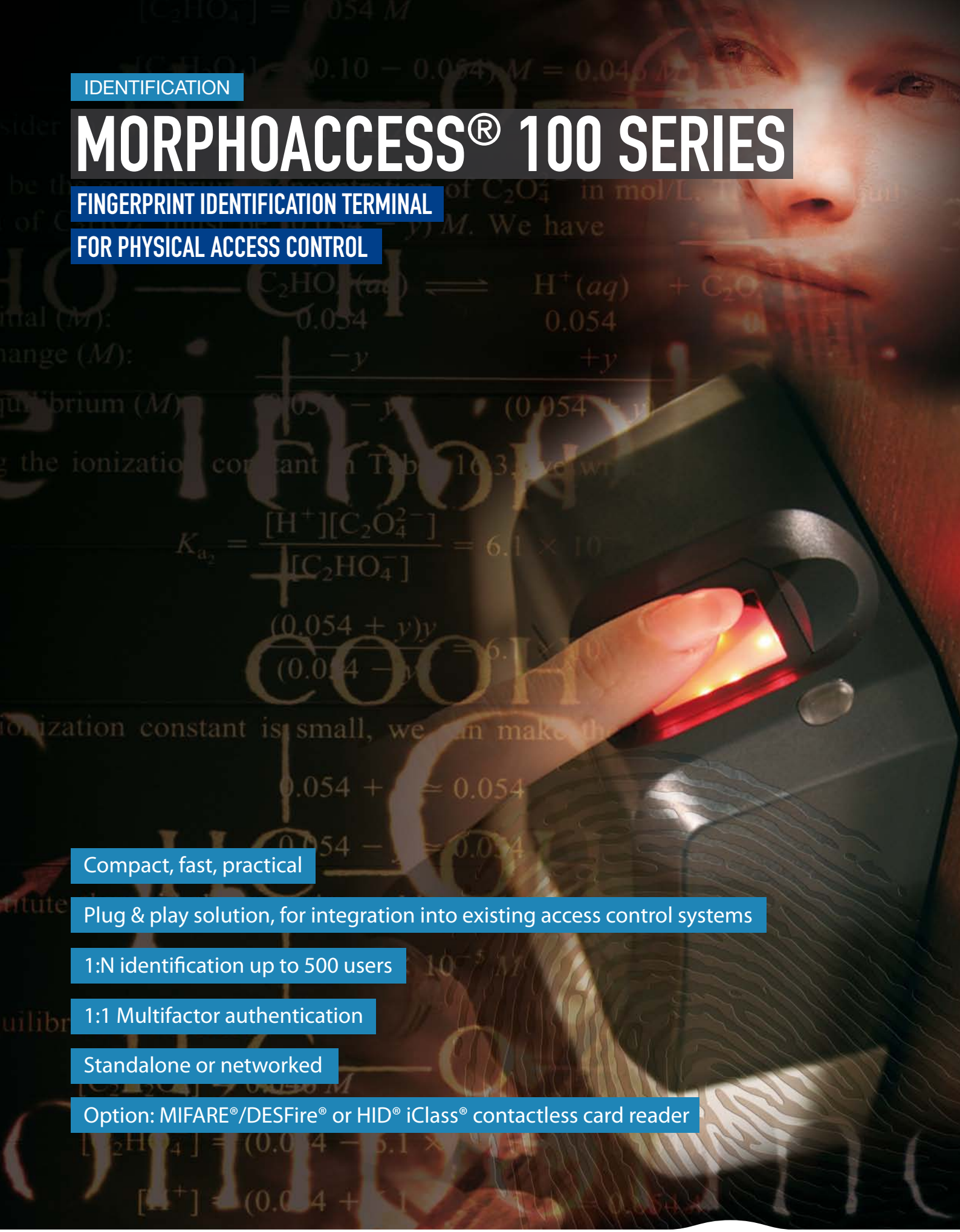
IDENTIFICATION

MORPHOACCESS® 100 SERIES

FINGERPRINT IDENTIFICATION TERMINAL

FOR PHYSICAL ACCESS CONTROL



- Compact, fast, practical
- Plug & play solution, for integration into existing access control systems
- 1:N identification up to 500 users
- 1:1 Multifactor authentication
- Standalone or networked
- Option: MIFARE®/DESFire® or HID® iClass® contactless card reader

SAFRAN
Morpho

MORPHOACCESS® 100 SERIES

FINGERPRINT IDENTIFICATION TERMINAL

FOR PHYSICAL ACCESS CONTROL



The know-how of the world n°1 manufacturer

The MorphoAccess® 100 Series are the down market terminals of the MorphoAccess® range. They use the Morpho proprietary algorithms, which have acquired worldwide reputation for their accuracy and levels of performance, thus offering the series excellent cost effectiveness.

They are compact, robust terminals intended for indoor or sheltered outdoor installation. Equipped with numerous interfaces, they are compatible with most recent or legacy access control systems, to which they bring the security of biometrics. As an option, they offer multifactor authentication by combining biometrics with contactless cards.

The MA 100 series offer value-added retailers and access control manufacturers a reliable, high-performance biometric solution at a reasonable cost.

Powerful capabilities in a small package

- **Rapidity:** <1 sec. in authentication and <1.5 sec. in 1:500 identification mode (including detection, coding and matching)
- **Accuracy:** the FAR or false acceptance rate is configurable down to 10^{-8}, depending on the security requirement
- **Multifactor authentication** as an option: with ISO 14443-A&B compatible MIFARE®/DESFire® or HID® iClass® contactless smartcard reader
- Functions in **standalone or networked** mode
- Equipped with numerous interfaces for **easy integration** into existing access control systems

Multipurpose software

- **MorphoAccess® Enrollment & Management System (MEMS):** complete application for centralized management (enrollment, terminals management, verification station)
- **Morpho Integrator's Kit (MIK):** enables integrators to interface rapidly their own proprietary Windows® based applications to the MA 100 Series
- **Software Development Kit (SDK):** can be proposed to VARs who want to develop and embed their own application in the MorphoAccess®

Technical specifications

MorphoAccess® unit
- Integrated MorphoSmart™ CBM optical sensor, 500 dpi, 14x22mm
- Reaction times (including detection, coding and matching): 1:1 verification < 1sec; identification (1000 templates) < 1.5 sec.
- Dry contact relay

Database
- Manages up to 500 users, two templates each, in identification mode

Interfaces
- Communication port for transmitting identifiers: customizable Wiegand output, RS 485, Clock & Data, Ethernet (10/100 Base T)

Security
- Tamper switch & secured screw

Terminal management
- Through TCP/IP or USB interface
- Management includes terminal configuration, firmware upgrade, log retrieval, biometric database operations, etc

Certifications
- IP53
- Complies with CE, FCC and RoHS standards

Operating temperature
-10° to +45°C

Power supply
- 9V to 16V (250mA typical @ 12V)

Physical characteristics
- Dimensions: 142 x 84 x 46mm
- Weight: 220g



	MA 100	MA 110	MA 120 D
Contactless reader	No	Integrated ISO 15693/14443	Integrated ISO 14443-A & B
Contactless card	-	IClass® 16K2 or 16K16	MIFARE® 1K or 4K DESFire® 2K, 4K, 8K
Operation	1:500 identification	1:1 authentication & 1:500 Identification	1:1 authentication & 1:500 Identification

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