MorphoAccess® SIGMA Series BY IDEMIA

Public Security

Access Control and Time & Attendance fingerprint station

STILL THE WORLD'S BEST IN BIOMETRICS... AND SO MUCH MORE!

SIA NEW PRODUCT SHOWCASE
WINNER
Best in Biometrics, Identification and Credentialing
ISC West 2014

- Time & Attendance features
- Tablet-like user experience
- Videophone function
- Full set of contactless technologies including NFC
- Anti-fraud: fake finger & face detection, duress finger
- IP65 rated design

... and fast 1:100,000 identification!

IDEMIA

Awarded Best Biometric Product by the Security Industry Association, Morpho and Bioscrypt successfully joined forces to design the best of breed fingerprint identification terminal.

Tailored for both Access Control and Time & Attendance applications, the MorphoAccess® SIGMA (MA SIGMA) Series by IDEMIA implements no fewer than 20 patents to master biometric identification and deliver a host of additional features, together with a refined and enjoyable user experience.

ULTRA-SECURE

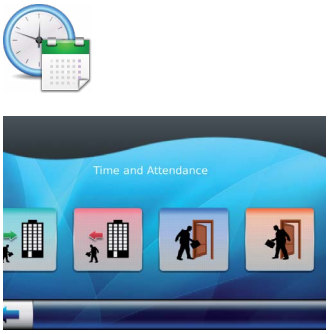
The World's most accurate fingerprint technology is further enhanced with additional anti-fraud and anti-"buddy punching" features:

- Face detection and picture logging
- Fake finger detection
- Duress finger
- Banned/authorized user lists

FRESH, INTUITIVE, FLEXIBLE USER INTERFACE

The MA SIGMA Series by IDEMIA implements the design cues from today's most intuitive consumer electronics, for fast user adoption:

- 5" WVGA color touchscreen highlighting a sophisticated Graphic User Interface
- Seamless on-device administration
- Extensive customization capabilities: use your own content! (corporate video, audio messages, wallpapers etc.)



TIME & ATTENDANCE READY

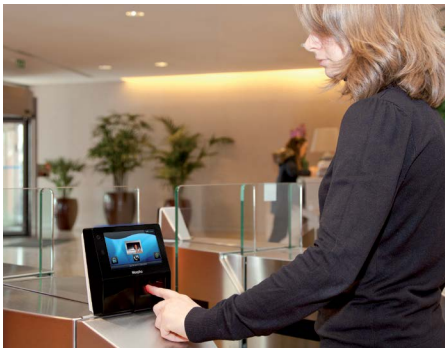
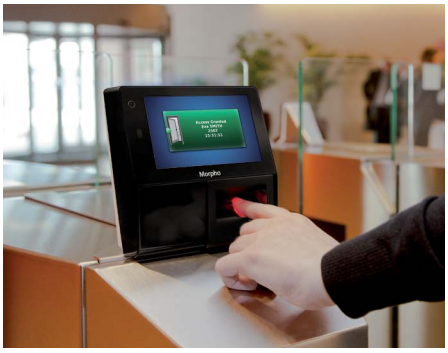
Increase your workforce management efficiency with:

- Touchscreen Time Clock, featuring 16 programmable function keys
- Access time slots and holidays scheduling
- Accurate punch records (up to 1 Million logs storage capacity)
- Real-time employee notifications
- Job Code management

VIDEOPHONE FUNCTION

- Built-in camera, speaker and microphone
- Standard IP-based video and audio interface
- Use cases:

- Call-in function: employees can quickly report a problem right from the Time Clock
- Surveillance: the terminal can be used by security staff to get pictures remotely from the security post

Morpho
bioscrypt®

WORLD #1 FINGERPRINT TECHNOLOGY INSIDE

- Morpho fingerprint technology ranked #1 by NIST for accuracy
- Genuine 1:100K matching[1]: World first in the industry
- 1:100K identification in less than 1 second (for frequent users)
- Exclusive optimizations tailored for access control
- Accuracy maintained regardless of number of users
- FBI PIV IQS certified optical sensor

MULTIPLE RECOGNITION FACTORS

- NFC[2] technology support
- Full set of contactless smartcard options: Prox®, iClass®, MIFARE®, MIFARE® Plus, DESFire®
- PIN and BioPIN[3] codes

EASY SET-UP AND MAINTENANCE

Built for the real World and designed to save time at installation and reduce maintenance costs:

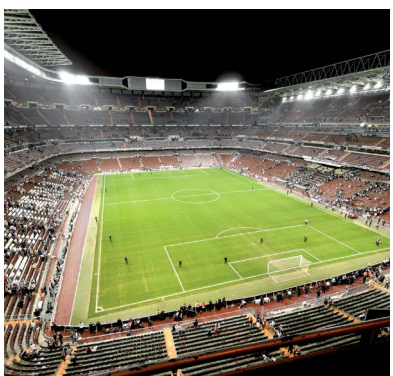
- Flush mounted "quick-tilt" access
- No need for extra-cable wiring: connectors are directly pluggable on rear side
- On-device or remote IP-based set-up
- Secure USB port located on the side of the product

COMPATIBLE WITH EXISTING INSTALLATIONS

Upgrade or complement your installation with MorphoAccess® SIGMA devices by IDEMIA using:

- MorphoManager by IDEMIA or MIK SDK on a Morpho network
- SecureAdmin application or SecureSDK on a Bioscrypt network

[1] Search carried out against single 100K user database
[2] NFC: Near Field Communication. Support depends on the smartphone model used with the MA SIGMA
[3] BioPIN: alternate password solution instead of fingerprints



Technical specifications

- **CPU:** ARM® Cortex™-A9 core 1GHz
- **Linux Operating System**
- **5" WVGA color Touchscreen, VGA Camera**
- **Loudspeaker & Microphone**
- **Audio & Video player**
- **FBI PIV IQS certified optical fingerprint sensor**
- **Contactless reader options:** Prox®, iClass®, MIFARE®/MIFARE® Plus/ DESFire®/NFC(1)
- **Network/Communication:** Ethernet, RS485, RS422, USB Wi-Fi and 3G options
- **Internal storage capacity:** 512MB Flash, 512MB RAM + 8GB microSD Card
  - 5000 user records (2 fingers + 1 duress each), extendable up to 100,000 with licenses
  - 250,000 IDs in authorized user list
  - 1 Million transaction logs
  - 10,000 face picture logs
- **Inputs/outputs:** Wiegand In & Out (customizable up to 512 bits), OSDP, Door Relay, 3 GPI (including Door monitoring), 3 GPO
- **Power supply:** 12V-24V DC Power over Ethernet (PoE), compatible with PoE+ switches
- **Tamper switches**
- **Operating conditions:**
  - Temperature: -20°C to 60°C (-4°F to 140°F)
  - Humidity: 10% to 80% (non condensing)
- **Ingress Protection:** IP65
- **Compact with slim profile:** HxWxD = 153x151x58,5 mm (6x5,9x2,3 inches)
- **Ultra-light:** about 470 grams (depends on variant)
- **EMC/Safety standards:**
  - CE, CB, FCC, BIS
  - UL294 (for indoor use only)
- **RoHS, REACh and WEEE compliant**

THE SIGMA FAMILY

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