# SMA-ICLASS-WR

## SIGMA Series - Outdoor/WR/IP65, Multi-factor Bio/Card/PIN/BioPIN (3k users incl.), HID iClass, 1M logs storage capacity, PoE incl.

### Ultra-Secure

Experts from Morpho and Bioscrypt 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 implements 20 patents to master biometric identification and deliver a host of additional features, together with a refined and enjoyable user experience. Building upon the well-known Bioscrypt platform, the product range is further enhanced with additional anti-fraud and anti-buddy punching features. New generation Morpho algorithms (MINEX and FIPS 201 approved) ensure accuracy is maintained regardless of the number of users.




### Fresh, intuitive, flexible user interface

The MA SIGMA Series implements the design cues from today's most intuitive consumer electronics for fast user adoption. Housing a 5" WVGA color touchscreen, on-device administration is as easy as 1,2,3. The flexible user interface, complemented with the built-in videophone functionality, allows you to use your own content like corporate videos, audio messages, wallpapers etc. Furthermore, the touchscreen features 16 programmable function keys allowing access to time slots, holiday schedules and punch records (up to 1 million logs storage capacity).

### Multiple recognition factors

In addition to fingerprint, the MA SIGMA Series supports the most frequently used authentication methods in the field such as Prox®, iClass®, MIFARE®, MIFARE® Plus, DESFire®, NFC, PIN and BioPIN.

### Compatible with existing installations

The MA SIGMA Series can be used to upgrade an existing installation or to complement the installation with MorphoAccess® SIGMA devices using the M2A application or MIK SDK on a Morpho network or the SecureAdmin™ application or SecureSDK™ on a Bioscrypt network.

### Details

- The World's most accurate fingerprint technology is further enhanced with additional antifraud and anti-"buddy punching" features
- Face detection and picture logging
- Fake finger detection, Duress finger
- Banned/authorized user lists
- Seamless on-device administration
- Extensive customization capabilities: use your own content! (corporate video, audio messages, wallpapers etc.)
- 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
- Built-in camera, speaker and microphone
- Standard IP-based video and audio interface
- 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 fingerprint technology ranked #1 by NIST for accuracy
- 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
- Flush mounted "quick-tilt" access

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## Technical specifications

### System

| | |
|---|---|
| Max. reader distance to panel | Ethernet: 100 m, RS485: 1219 m |
| RTE (Request To Exit) | No |
| CSN (Card Serial Number) | Yes |
| Custom data model | Yes |
| No. of LEDs | 1 |
| Language installation manual | English |

### Technology

| | |
|---|---|
| Reader type | BioMetric |
| Reader operating-transmitting frequency | 13.56 MHz |
| Supported technology 13.56 MHz | iCLASS (CSN), iCLASS (custom data), iCLASS SEOS |
| Read write | Yes |
| SAM module embedded | No |

### Biometric

| | |
|---|---|
| Biometric type | Fingerprint |
| Biometric sensor type | Optical |
| Biometric template storage size | 5000 user records (2 fingers + 1 duress each), extendable up to 100 000 with licenses |

### Interface & connections

| | |
|---|---|
| Interface | Ethernet, OSDP V2, OSDP V2 Secure Channel, RS-485, USB, Wiegand |
| Connector type | Network, Terminal Strip |

### Tamper type

| | |
|---|---|
| Pry-off tamper | No |
| Opening tamper | Yes |

### Operation

| | |
|---|---|
| Stand-alone | Yes |
| PIN keypad | Yes |
| PIN length | 6 digits |

### Support

| | |
|---|---|
| Language installation manual | English |

### Electrical

| | |
|---|---|
| Operating voltage | 12 to 24 VDC |
| Power supply type | VDC |
| Current consumption | 1 A min. @12V |

### Physical

| | |
|---|---|
| Physical dimensions | 151 x 153 x 59 mm |
| Net weight | 525 g |
| Shipping weight | 565 g |
| Colour | Black |
| Material | Polycarbonate |
| Form factor | Oversized |
| Mounting type | Surface mount |

### Environmental

| | |
|---|---|
| Vandal proof | No |
| Environment | Indoor, Outdoor |
| Operating temperature | -20 to +60°C |
| Storage temperature | -20 to +60°C |
| IP rating | IP65 |

### Regulatory

| | |
|---|---|
| Compliancy | CE, FCC, REACH, RoHS, UL 294, WEEE |

As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

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