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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