

# MORPHOACCESS® SIGMA LITE SERIES

SLIM AND POWERFUL FINGERPRINT ACCESS TERMINALS

Compatible with  
Morpho and bioscrypt®  
existing installations



Embedded  
WEB SERVER



- **World's #1 fingerprint technology inside**  
1:10,000 user identification in 1 second
- **High capacity**  
30,000 templates, 250,000 IDs in authorized user list, 1 Million logs
- **Anti-fraud features**  
Fake finger detection, duress finger, timed anti-pass back
- **Flexibility**  
Prox®, iClass® or MIFARE®/DESFire®/NFC contactless card reader as an option
- **Tough design**  
IP65 rated and vandal resistant (IK08)

# MORPHOACCESS® SIGMA LITE SERIES

SLIM AND POWERFUL FINGERPRINT ACCESS TERMINALS

STRONG  
SLIM  
SMART  
SAFE  
= THE RIGHT COMBINATION

## The SIGMA family welcomes new members!

Engineered with the same attention to detail and performance as their predecessor, the MorphoAccess® SIGMA Lite terminals are specifically designed to equip narrow mounting surfaces, such as glass/aluminum door mullions, turnstiles, or server rack doors.

With two designs and multiple card reader options, there are a variety of models to address the widest range of deployment scenarios, both indoors and outdoors.

### World's #1 fingerprint technology inside

- Morpho fingerprint technology ranked #1 by NIST for accuracy
- Up to 10,000 users (30,000 templates) in 1:N identification mode
- 1:10,000 user matching in 1 second
- Accuracy maintained regardless of number of users in database
- FBI PIV IQS certified optical sensor

### Full set of card reader options

- Prox®
- iClass®
- MIFARE®/MIFARE® Plus/DESFire®/NFC<sup>(1)</sup>



### MA SIGMA Lite

With blue/green/red LED indicator and buzzer



Adjustable attachment to axis or to either side of axis

60 mm width (2.36")

148 mm (5.83")



### MA SIGMA Lite+

With 2.8" QVGA color touchscreen and buzzer



### EMBEDDED WEB SERVER

- Enables on-device enrollment, terminal configuration and transaction log retrieval
- Use with any device (PC, laptop, tablet, smartphone)
- Use with any OS (Windows, Android, Apple iOS)
- Use with any web browser (Google Chrome, Mozilla Firefox, Safari, Internet Explorer)



### Enhanced interactivity on MA SIGMA Lite+ touchscreen

- Time & Attendance In & Out function keys
- User ID, PIN and BioPIN<sup>(3)</sup> management
- Intuitive icons and live messages

### Anti-fraud features

- Fake finger detection
- Duress finger
- Timed anti-pass back function<sup>(4)</sup>
- Banned/authorized user lists

### The SIGMA family



## BUILT FOR THE REAL WORLD

### TOUGH DESIGN<sup>(2)</sup>



### EASY INSTALLATION AND MAINTENANCE



### COMPATIBLE WITH EXISTING INSTALLATIONS

Morpho  
and  
bioscrypt®

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

## TECHNICAL SPECIFICATIONS

- **CPU:** ARM® Cortex™-A9 core 1GHz
- **Linux Operating System**
- **FBI PIV IQS certified optical fingerprint sensor**
- **Contactless reader options:** Prox®, iClass®, MIFARE®/MIFARE® Plus/DESFire®/NFC<sup>(1)</sup>
- **Network/Communication:**
  - Ethernet, RS485, USB
  - Wi-Fi option
- **Power supply:**
  - 12V-24V DC
  - Power over Ethernet (PoE) - Compatible with PoE+ switches
- **Internal storage capacity:** 512MB Flash, 512MB RAM
  - 500 user records, extendable to 3,000 or 10,000 with license (\*3 templates each, including 1 duress)
  - 250,000 IDs in authorized user list
  - 1 Million transaction logs
- **Inputs/outputs:** Wiegand In & Out (customizable up to 512 bits), Door Relay, 2 General Purpose Inputs (including Door monitoring), 2 General Purpose Outputs
- **Tamper switches**
- **Operating conditions:**
  - Temperature: -20°C to 55°C (-4°F to 131°F)
  - Humidity: 10% to 80% (non condensing)
- **Ingress protection:** IP65
- **Mechanical impact protection:** IK08<sup>(2)</sup>
- **HxWxD = 156\*68\*62 mm (6.14\*2.68\*2.44 inches)**
- **Weight:** 280 grams
- **EMC/Safety standards:** CE, CB, FCC
- **RoHS, REACH and WEEE compliant**

<sup>(1)</sup> NFC support depends on the smartphone model used with the MA SIGMA Lite/Lite+ device

<sup>(2)</sup> IK08 rating is not available for MA SIGMA Lite+ design

<sup>(3)</sup> Alternate password solution instead of fingerprints

<sup>(4)</sup> Prevents repeated authorizations by the same user, within a configurable time period

## KEY MISSIONS, KEY TECHNOLOGIES, KEY TALENTS

### Morpho

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