

MorphoAccess® SIGMA Lite Fingerprint Terminals

Features that make a difference:

- 1:10,000 user identification in 1 second
- High capacity: 30,000 templates, 250,000 IDs in authorised user list, 1 Million log
- Flexibility: Prox®, iCLASS® or MIFARE®/DESFire®/NFC⁽¹⁾ contactless card reader as an option
- Anti-fraud: fake finger and duress finger
- IP65 rated and vandal resistant (IK08)⁽²⁾
- Embedded Web Server for on-device enrollment, terminal configuration and transaction log retrieval



SIGMA Family Readers

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 indoor and outdoor.

Ultra Secure

The world's most accurate fingerprint technology is further enhanced with additional anti-fraud technology such as, fake finger detection, duress finger, banned/authorised user lists and timed anti-passback function that prevents repeated authorisations by the same user within a configurable time period.

Intuitive, Flexible User Interface

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)

Easy Set-Up and Maintenance

Built for the real world and designed to save installation time and reduce maintenance costs.

- No need for extra cable wiring: connectors are directly plugged on rear side
- Easy installation with an adjustable mounting plate to either side of axis
- On-device or remote IP-based set-up
- Secure USB port

Compatible with Existing Installations

Upgrade or complement your installation with MorphoAccess® SIGMA and SIGMA Lite devices using MorphoManager application on a Morpho network. Using SecureAdmin application or SecureSDK on a Bioscrypt network.

Integration with Access Control

Morpho provides an access control integration middleware called BioBridge. BioBridge is an enrollment and synchronization middleware that overlays enrollment and demographic synchronisation between MorphoManager and C•CURE 9000 access control systems. BioBridge is compatible with Morpho's: MA J-Bio, MA J-Dual, MA 500+, MA 520+D, OMA 520 D, SIGMA Series, SIGMA Lite Series, 3D Face Reader, and the new MorphoWave Tower.

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

⁽²⁾ IK08 rating is not available for MA SIGMA Lite+ design

Specifications

General

CPU	ARM® Cortex™-A9 core 1GHz
Operating System	Linux
Sensor	FBI PIV IQS certified optical fingerprint sensor
Contactless Reader Options	Prox®, iCLASS®, MIFARE®/MIFARE® Plus/ DESFire®/NFC ⁽¹⁾
Network/Communication	Ethernet, RS-485, USB Wi-Fi option
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 authorised user list - 1 Million transaction logs
Inputs/Outputs	Wiegand (customisable up to 512 bits), door relay, 2 general purpose inputs (including door monitoring), 2 general purpose outputs
Tamper Switch	Yes

(1) NFC support depends on the smartphone model used with the MA SIGMA Lite/Lite+ device (2) IK08 rating is not available for MA SIGMA Lite+ design

(2) IK08 rating is not available for MA SIGMA Lite+ design

Environmental

Operational Temperature	-20°C to 55°C (-4°F to 131°F)
Humidity	10% to 80% (non-condensing)

Enclosure

Dimensions (HxWxD)	156mm x 68mm x 62mm (6.14 x 2.68 x 2.44 inches)
Weight	280 grams (0.62lbs)
Impact Resistance	IK08 ⁽¹⁾⁽²⁾
Protection	IP65

Electrical

Operating Voltage	12V-24V DC, Power over Ethernet (PoE) compatible with PoE+ switches
Operating Current	1 Amp min @12V, 15.36W on PoE

Regulatory

Agency Certifications	CE, CB, FCC, UL 294
Compliance	RoHS, REACH, WEEE

Ordering Information

Product Code	Description
MOR-293678615	MA SIGMA Lite, mono-factor bio, embedded web server
MOR-293678628	MA SIGMA Lite iCLASS, multi-factor bio/card, embedded web server
MOR-293673665	MA SIGMA Lite Prox, multi-factor bio/card, embedded web server
MOR-293678636	MA SIGMA Lite HID, multi-factor bio/card, MIFARE/DESFire, embedded web server
MOR-293678657	MA SIGMA Lite +, multi-factor bio/PIN, embedded web server and touchscreen
MOR-293673644	MA SIGMA Lite +, iCLASS, multi-factor bio/card/PIN, embedded web server and touchscreen
MOR-293678678	MA SIGMA Lite +, HID Prox, multi-factor bio/card/PIN, embedded web server and touchscreen
MOR-293678660	MA SIGMA Lite +, Multi MIFARE/Desfire, multi-factor bio/card/PIN, embedded web server and touchscreen

Related Products



C•CURE 9000

iSTAR Ultra

iSTAR Ultra SE

Approvals

