You are the key.

IDEMIA

IDEMIA MorphoAccess SIGMA Extreme outdoor biometric reader: fingerprint, IK09, MIFARE / DESFire

SCAP part number: BIO-SIGMA_EXT



Fingerprint reader from the IDEMIA MorphoAccess SIGMA range, MIFARE / DESFire version. Ruggedised version for outdoor and exposed sites (factories, mines, ports, airports): IK09, large 23 × 23 mm sensor and patented electro-optical fake finger detection.

Key features

- Fake finger and duress finger detection, tamper switch
- Also reads MIFARE and MIFARE DESFire badges, and PIN codes
- Wiegand in and out, OSDP, door relay
- 12 to 24 V or PoE power supply

Applications

- Outdoor access: industrial sites, building sites, ports, airports
- Harsh environments (dust, weather, impacts)



Technical specifications

Manufacturer	IDEMIA (formerly Morpho)
Range	MorphoAccess SIGMA
Model	SIGMA Extreme
Fingerprint sensor	23 × 23 mm
Fake finger detection	Patented electro-optical process; duress finger detected
Users	5,000, expandable to 10,000, 50,000 or 100,000
Screen	5-inch touchscreen
Sound	Haut-parleur
Video	Yes
Time & attendance	Full
Temperature	-20 °C to 60 °C
Humidity	10 to 95 %
Impact resistance	IK09
Dimensions	301 × 142 × 97 mm
Weight	About 1.6 kg
Version	MIFARE / MIFARE DESFire (13.56 MHz)
Protection rating	IP65
Authorised user list	250,000 IDs
Event log	1 million events
Network / communication	Ethernet, RS485, RS422, USB, Wi-Fi
Interfaces	Wiegand in and out, OSDP, door relay, GPI / GPO inputs / outputs
Power supply	12 to 24 V DC or PoE
Certifications	CE, CB, UL 294 (indoors), FCC, RoHS, REACh, WEEE
Compatibility	Existing Morpho and Bioscrypt installations
Frequency	13.56 MHz

Indicative specifications, subject to change without notice. Prices and availability: contact SCAP.