

# MorphoAccess<sup>®</sup> VP

BY IDEMIA



Multimodal finger vein and fingerprint access control terminal



SIA Best New Product award 2012

Ground-breaking and universal biometric technology

Unrivalled accuracy, security and performance

Unequalled trade-off between security and comfort of use

Identification up to 10,000 users



Detektor International award 2011

Enhanced anti-spoofing capabilities

Easy installation and connection: PoE, Wi-Fi option

Weatherproof: IP65 rated

FBI PIV IQS certified



Security Essen award 2010

## The first access control terminal combining finger vein and fingerprint

MorphoAccess® VP by IDEMIA brings for the first time the benefits of the finger vein/fingerprint multimodal technology to your physical access control systems, in any kind of environment.

**Universal and easy-to-adopt:** it is well suited to individuals who experience difficulties with mono-modal devices while offering the same simplicity and ease of use as for fingerprints alone.

**Unrivalled accuracy:** by reducing the probability of rejecting genuine individuals and accepting impostors, it allows a very high security level without affecting comfort of use.

▶ @FAR=10<sup>-4</sup>, FRR is 10 times lower than with the best of the 2 modalities

**Resistance to spoofing:** this innovative technology combines the protection mechanisms intrinsic to each biometrics and also makes the most of the new characteristics resulting from the fusion.

## ONE-TO-MANY IDENTIFICATION

With a database of 5,000 users (2 templates each), upgradable to 10,000 users.



## ONE-TO-ONE AUTHENTICATION

By combining multimodal biometrics with MIFARE®/DESFire® contactless smartcard technologies.



## UNPARALLELED PERFORMANCE

### Fast recognition:

- One-to-one authentication in 1s average (card swiping not included)
- One-to-many identification in 1s average (1 to 500), 1.5s average (1 to 5,000)

### Large storage capacity:

- 5,000 users on standard version
- Upgradable to 10,000 users with license

**Adjustable FAR** from 10<sup>-2</sup> down to 10<sup>-8</sup>

**Accuracy maintained** regardless of number of users in database

## FULLY CERTIFIED

FBI PIV IQS certified sensor

FIPS 201 and MINEX compliant algorithms (for fingerprint)

### EMC/Safety standards:

CE, CB, FCC, NF EN 60825-1 2008-01 (Laser Safety)

RoHS, REACH and WEEE compliant

## STYLISH, ERGONOMIC AND ROBUST DESIGN

**Intuitive MMI** with positioning guides, **finger presence detection**, multicolor LED indicator and multi-tone buzzer

**Weatherproof:** IP65 rated (once wall mounted)

### Operating conditions:

- Temperature: -10°C to 50°C (14°F to 122°F)
- Humidity: 10% to 80% (non condensing)

## Technical specifications

- **Optical sensor**
- **Dual ARM9 CPU**
- **MIFARE®/DESFire® contactless smartcard reader**
- **Interfaces:** LAN (Ethernet 10/100 Base T; Wi-Fi in option), Wiegand, Dataclock, RS485, Relay, USB port
- **Security features:** SSL on TCP/IP, WEP & WPA encryptions, anti-tamper & anti-pulling switches
- **Power supply:** External 9V to 16V DC (1A min @12V) or Power over Ethernet (PoE)
- **Physical characteristics:** WxHxD = 90x160x125mm (3.54"x6.3"x4.92"); Weight = 515g
- **Software options:** MorphoManager by IDEMIA application or Morpho Integrator's Kit (MIK) by IDEMIA SDK