

MorphoAccess[®] 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: IPx5 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=10⁻⁴, 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
- 1 Million transaction logs

Adjustable FAR from 10⁻² down to 10⁻⁸

Accuracy maintained regardless of number of users in database

FULLY CERTIFIED

FBI PIV IQS certified sensor

EMC/Safety standards:

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

RoHS and WEEE compliant

STYLISH, ERGONOMIC AND ROBUST DESIGN

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

Weatherproof: IPx5 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**
- **CPU:** ARM Cortex-A9 core 1GHz
- **MIFARE®/DESFire® contactless smartcard reader**
- **Network/Communication:** Ethernet, RS485, USB port
- **Inputs/Outputs:** Wiegand In & Out (customizable up to 512 bits), OSDP, Door Relay, 3 GPI (including Door monitoring), 3 GPO
- **Security features:** SSL/TLS on TCP/IP, anti-tamper & anti-pulling switches
- **Power supply:** External 12V to 24V DC (1A at 12V min) or Power over Ethernet (PoE)
- **Physical characteristics:** WxHxD = 90x160x125mm (3.54"x6.3"x4.92"); Weight = 700g
- **Software options:** MorphoManager by IDEMIA application or MACI SDK component