

MorphoAccess[®] VP Series



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

The MorphoAccess® VP terminals bring 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: they are 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, they allow 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.

Two models

VP-BIO

For one-to-many identification with a database of 5,000 users (2 templates each), upgradable to 10,000 users.



VP-DUAL

For one-to-many identification or 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 10⁻² down to 10⁻⁸

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** (VP-Dual)
- **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 application or Morpho Integrator's Kit (MIK) SDK