

IDENTIFICATION

# MORPHOACCESS® VP SERIES

PHYSICAL ACCESS CONTROL TERMINAL

MULTIMODAL FINGER VEIN AND FINGERPRINT TECHNOLOGY



- Ground-breaking and universal biometric technology
- Unrivalled accuracy, security and performance
- Unequaled trade-off between security and comfort of use
- Identification up to 10 000 users
- Enhanced anti-spoofing capabilities
- Easy installation and connection: POE, Wi-Fi option
- Weatherproof: IP 65 rated
- FBI PIV IQS certified



Security Essen  
award 2010



Detektor International  
award 2011



SIA Best New Product  
award 2012

# MORPHOACCESS® VP SERIES

## PHYSICAL ACCESS CONTROL TERMINAL

### MULTIMODAL FINGER VEIN AND FINGERPRINT TECHNOLOGY

#### 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<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.

#### 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<sup>-2</sup> down to 10<sup>-8</sup>

##### Stable FAR whatever the number of individuals 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:** IP 65 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**

##### Physical characteristics: WxHxD = 90x160x125mm (3.54"x6.3"x4.92"); Weight = 515g

##### PC Software applications: MorphoEnroll (remote interface), Morpho Integrator's Kit (SDK)

#### Morpho

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