MORPHOACCESS® VP SERIES

PHYSICAL ACCESS CONTROL TERMINAL

MULTIMODAL FINGER VEIN AND FINGERPRINT TECHNOLOGY

RESTRICTED AREA
AUTHORIZED PERSONNEL ONLY

- 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
- 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

SAFRAN
Morpho

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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^{-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}

■ **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)

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