INTUS 1600PS-II

Biometric access reader for palm vein authentication

- Highly secure authentication system

- Extraordinarily precise sensor

- High user acceptance

- Verification against a card or (1:n) identification

- Fully integrated with INTUS access solutions and DEXICON

- Optional integration with third-party access control centers

Time for security.

pcs

INTUS 1600PS-II

The identification of people in security-critical applications requires methods which must be easy to use but as fraud-resistant as possible. Palm vein authentication is the method of choice here. Primarily designed for the protection of high-security areas, the INTUS 1600PS-II also excels in convenience applications. Its ease of use translates to high user acceptance. For verification using Template-on-Card, the palm vein template is stored on a RFID card in an encrypted format. The card is in the possession of an employee, and there is no central data storage. The templates are encrypted during the enrollment process still inside the sensor. As a rule, the data is only stored in the PS Controller or host application. For multi-factor authentication, the user is first identified by his or her RFID card, then verified by palm vein authentication as the authorized person.

General characteristics

- Biometric access reader for surface mounting
- Made in Germany
- Ideal for deployment in high-security areas
- Verification or identification mode
- Multi-factor authentication against biometric feature, by PIN code and/or card
- Control via INTUS PS Controller

Housing

- Graphite grey on-wall housing
- White aluminum frame
- PMMA (acrylic glass) dome

Configuration

- Membrane keyboard with numerical keypad as an option
- Optical signaling: 12 three-color LEDs
- Color table with 216 colors
- Acoustic signaling: 1 buzzer
- Temperature range: -25° to +50 °C
- Optional heating (-25°C to +50°C)
- Degree of protection: IP54 (with optional sealing kit)
- Tamper contact
- Door control by DI/DOs in the ACM
- Optional weather protection cover
- Microcontroller control

Technology

- RFID reading technologies: MIFARE® DESFire® EV1/EV2/EV3, MIFARE® Classic, LEGIC advant, LEGIC prime, HITAG 1
- Frequency: 13.56 MHz (LEGIC, MIFARE), 125 kHz (HITAG 1)

Connectivity

- 5V voltage supply via PS Controller or USB-PoC extender
- Interfaces (PS Controller) LBus, OSDP, Wiegand, Ethernet
- Connection to PS Controller via USB

Dimensions (HxWxD)

- INTUS 1600PS-II: 300 x 140 x 71 mm
- Weather protection cover: 69 x 95 x 95 mm

Sensor specifications

- Fujitsu PalmSecure F-Pro® palm vein recognition sensor
- FAR 0.000,08%, FRR 0.01%

Recommended products

- Hand support to assist correct hand positioning during enrollment, use of a desktop model as an enrollment station
- Additional options: PalmSecure sensor as a built-in module for baffle gates or similar separation systems