eVAYO
Access Terminal (Indoor)

IF-800

Slave terminals of the series IF-800 have been specifically designed to meet the requirements of access control and person identification. They are flush-mounted.

They are used for:
- restricting access to authorized persons only.
- optional access via smartphone (Bluetooth Low Energy).
- monitoring door statuses.
- monitoring sensors (locking devices, barriers and doors).

The new light concept provides clear feedback to the user. Furthermore, the terminals can operate in energy-saving mode and thus, consume less than 50% of the energy required by previous models.

Cover panels are available for the readers in black and white. Via DIP switches on the reader electronics, the LEDs can be adjusted to any panel color and environment.

The reader electronics is preferably installed in an unsecured area, directly next to a locking device or door, and connected to the I/O controller included in delivery via a cable of up to 100 meters length. Thus, unauthorized access can be prevented even if the reader has been damaged, e.g. due to a short-circuit.
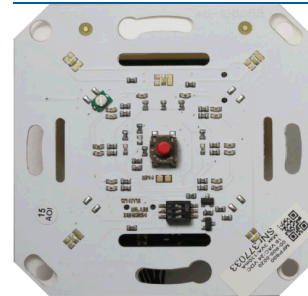These slave terminals can be connected to a terminal controller or a master terminal. They allow for flexible integration into new and existing environments. The devices are used for identification via RFID technology or optionally via BLE (Bluetooth Low Energy) and door management control. In conjunction with a controller or a master terminal, the devices are capable of writing NetworkOnCard permissions for offline terminals onto RFID media. With BLE technology (optional), access bookings are performed by presenting a smartphone to an access terminal.

Main Functions

Application

Multi-functional, powerful and user-friendly reading devices for contactless identification via cards, key tags, wrist watches with transponders or smartphones.

Item Number: 00-800-xxxx

(IF-800 electronics)

(IF-800 cover kits – to be ordered separately – accessories 75-800-015x)

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Device Technology

Reliable reading function due to the integrated RFID reader:

- MIFARE Classic, MIFARE DESFire, MIFARE DESFire EV1/EV2, LEGIC prime or LEGIC advant
- Reading distance up to 4 cm with RFID and 0.4 – 10 meters with BLE (setting adjustable)
- Easy integration into Interflex software platforms
- LED display for indicating standby mode: Unauthorized and authorized use
- Door monitoring with alarm message and warning buzzer
- Monitoring and control of locking devices (turnstiles, etc.)

Technical Specifications

Power Supply

Low-voltage:	12 – 24 VAC / VDC
Power consumption:	Max. 4 VA
Protection:	Via PTC resistor

Basic Equipment

Interfaces:	RS485; 9600/ 19200 baud
Reader: (depending on order)	RFID reader, MIFARE or LEGIC BLE (Bluetooth Low Energy)
Read range:	Up to 10 meters, depending on the technology
Sensor inputs:	2 floating sensors per I/O controller board. Additional I/O board optional.
Output relays:	1 output per I/O controller board, max. 30 V 2 A Additional I/O board optional.
User information:	Buzzer; green, red, blue and white LEDs

General Data

Supported Smartphones:	Apple iOS 9, iPhone 5s and later Google Android v5.1 with BLE v4.
Anti-tamper switch:	Activated when front panel is removed
Ambient temperature:	-25º C to +55º C
Humidity:	Max. 95%, non-condensing
Compatibility (EMC):	EN 60950, ETS 300300, EN 301489-1, CE
Dimensions (H x W x D):	Electronics: 70 x 70 x 42 mm
Weight:	Approx. 0.4 kg