



# U-PROX

Access Control System

## Content page

3	U-Prox innovations	22	U-Prox IP400 OSDP
4	Features	23	U-Prox IC A
5	U-Prox ACS devices	24	U-Prox IC E
6	U-Prox ACS software		
<b>7</b>	<b>Readers</b>	<b>25</b>	<b>U-Prox WEB</b>
8	How does it work?	26	U-Prox WEB - Access control system
9	U-Prox SE multi - Versatile reader	27	Installator - WEB workplace
10	U-Prox SE keypad - Versatile reader with a keypad	28	Administrator - WEB workplace
11	U-Prox SL mini - Versatile reader	29	Security - WEB workplace
12	U-Prox SL steel - Versatile reader	30	Personnel - WEB workplace
13	U-Prox SL keypad - Versatile reader with a keypad	31	Pass Office - WEB workplace
14	U-Prox SL maxi - Versatile reader	32	Reports - WEB workplace
15	U-Prox SL OEM - Versatile reader for integration	<b>33</b>	<b>Integration</b>
16	U-Prox Desktop - RF ID and mobile ID desktop reader	34	Integration API - Simple protocols
17	U-Prox Config - Mobile configurator for readers	35	Integration with other devices - Extention the functionality of ACS
<b>18</b>	<b>Active Mobile ID</b>	<b>36</b>	<b>Mobile ID Systems</b>
19	U-Prox Tag and U-Prox Auto Tag	37	How does it work?
<b>20</b>	<b>Control panels</b>	38	Mobile ID issue server
21	U-Prox IP400	39	U-Prox Key app - Your phone is a key
		40	Where to install?



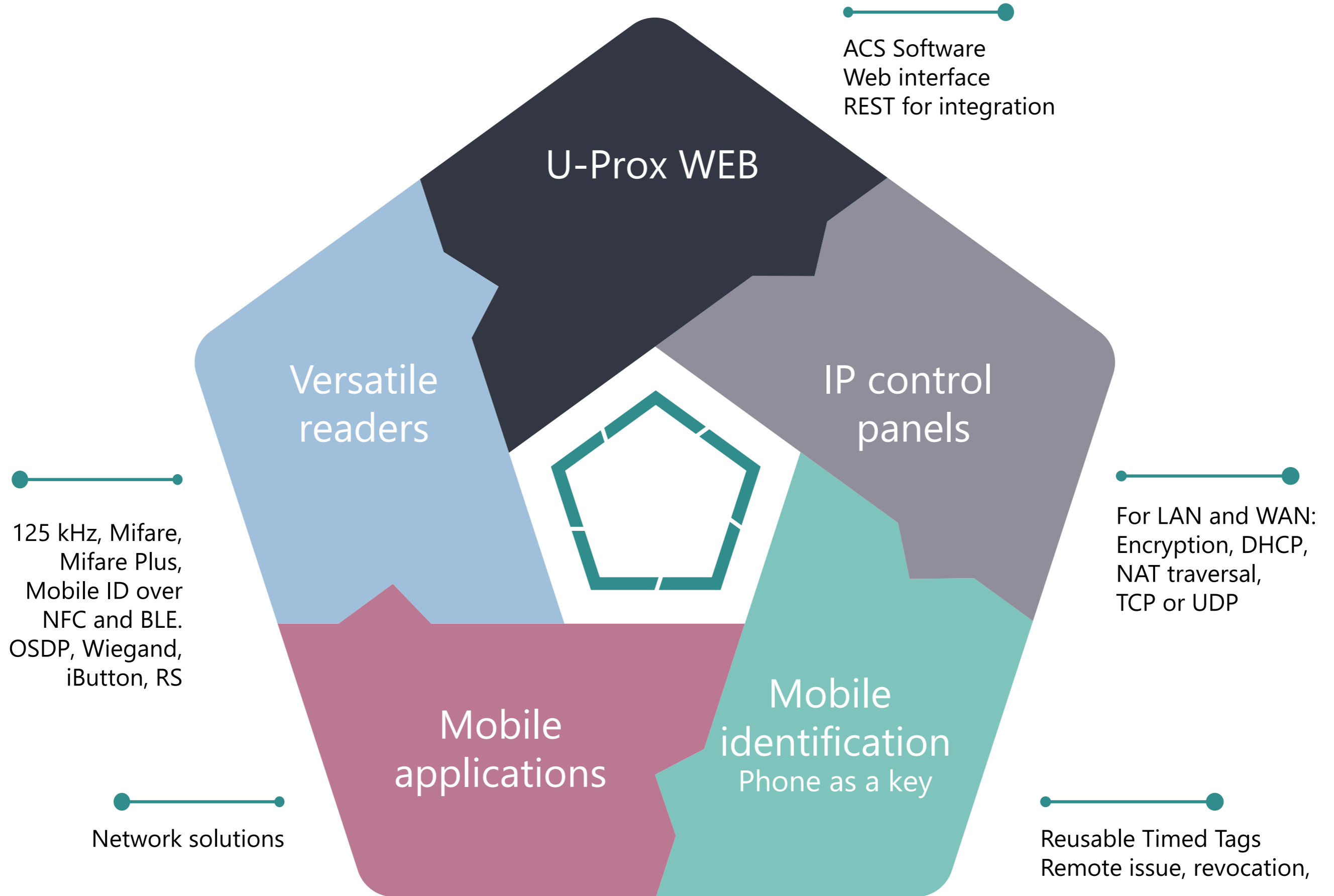
## U-Prox innovations

The requirements for access control, security and safety systems are constantly increasing, the need for innovative technological solutions and products, which replace unnecessary and less reliable devices is appeared.

WEB, IP, NFC, BLE, Mifare, Cloud and Wireless technologies made it possible to create advanced products at a reasonable price.

Based on the high standards of quality and safety, we present innovative solutions that provide convenience and simplicity in using access control systems with an optimal level of safety.

# Features



## U-Prox ACS devices

### U-Prox IP 400

IP control panel



### U-Prox IP400 OSDP

IP control panel with OSDP modules support



### U-Prox IC A

Global Anti-passback IP control panel



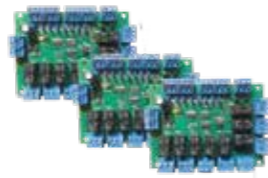
### U-Prox IC E

Elevator IP control panel



### U-Prox RM

Relay modules for elevator control panel



### U-Prox Tag

Active identifier



### U-Prox Auto Tag

Active identifier for transport



### U-Prox SE multi

Versatile reader with OSDP



### U-Prox SE keypad

Versatile reader with OSDP and touch keypad



### U-Prox Desktop

Desktop reader



### U-Prox SL mini

Versatile miniature reader



### U-Prox SL keypad

Versatile reader with keypad



### U-Prox SL maxi

Versatile reader



### U-Prox SL steel

Versatile vandal-proof reader



### U-Prox SL OEM

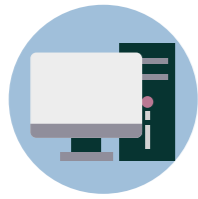
OEM versatile reader



# U-Prox ACS software

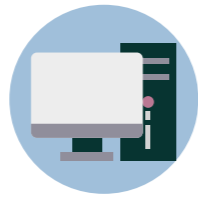
## U-Prox WEB Server

Server Access Control Software



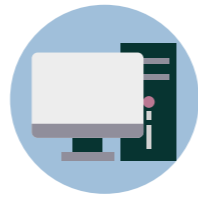
## U-Prox WEB

WEB interface and REST integration



## U-Prox IP Client

Windows interface for fine-tuning



## U-Prox Desktop Server

Service for interaction with U-Prox Desktop over Web or using it as a keypad



## U-Prox IP400 Translator

Server for integration access control panels to any other software via REST protocols



## U-Prox Mobile ID Server

Server for mobile keys issuing and managing



## U-Prox Key for Android

Add a key function to your smartphone



## U-Prox Key for iOS

Add a key function to your smartphone



## U-Prox Config

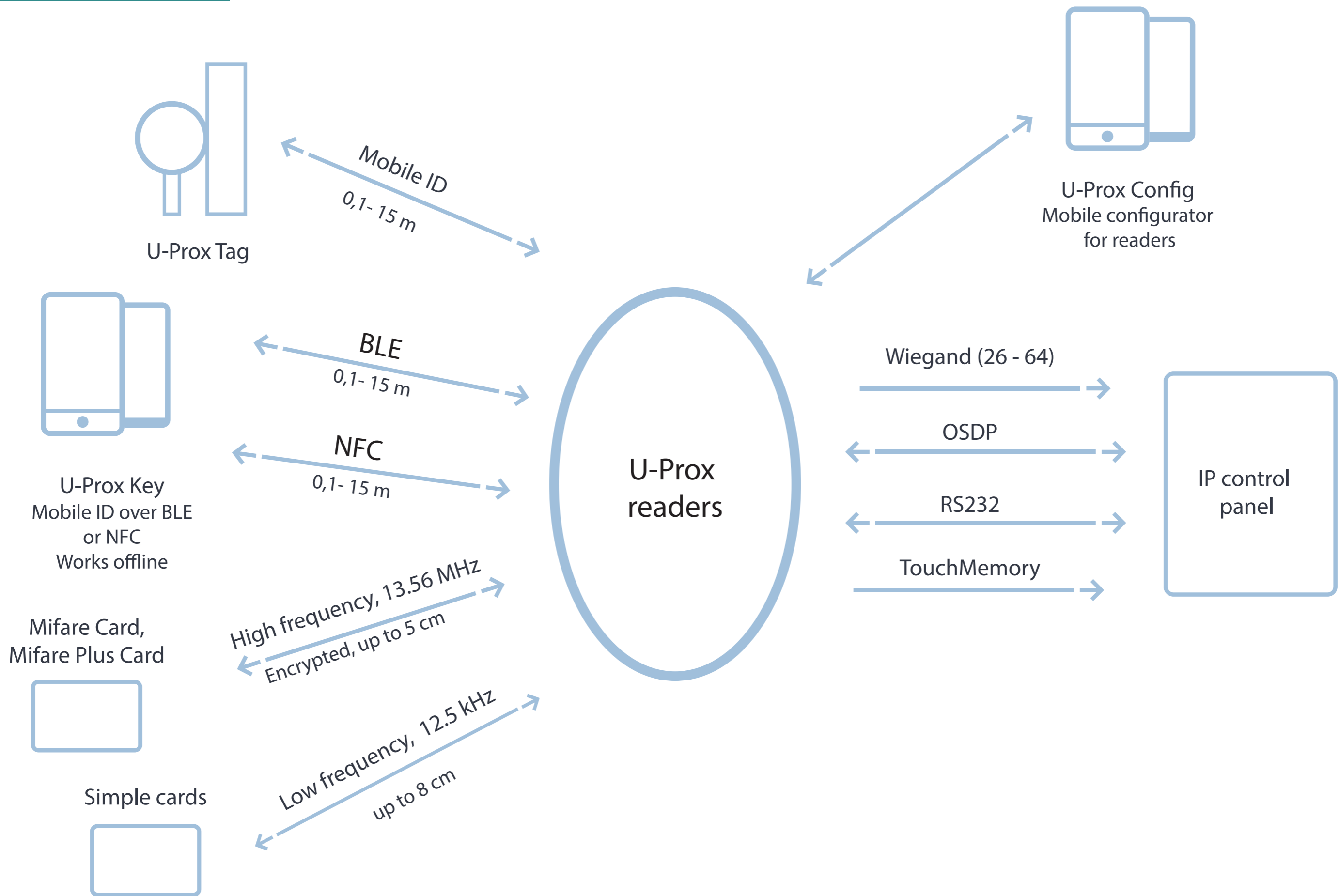
Configurator for readers





**READERS**

# How does it work ?





# U-Prox SE multi

Versatile reader



- Mobile credentials
- NFC and 2.4 GHz radio
- Adjustable 2.4 GHz distance (0.1 - 15 m)
- Mifare Plus SL1/SL3 and Mifare Classic
- Supports multiple formats of 125 kHz RFID
- Smartphone adjustable
- Adjustable OSDP/Wiegand interface
- Convenient and safe
- Simple and convenient installation

The adjustable versatile SmartLine second edition (SE) reader for mobile credentials and proximity identifiers in conjunction with the U-Prox Key application and U-Prox IDs will allow any access control system to use smartphones as access system credentials.

## 2.4 GHz radio

Reader supports 3 operation modes for smartphones with U-Prox ID:

- "Door-Proximity" – 10-20 cm, reader activates by built-in IR sensor. Recommended for double-sided doors and turnstiles
- "Door" - up to 60-70 cm
- "Barrier/Gate" - adjustable range of interaction from 1 to 15 m.

## Mifare® и Mifare®Plus

Operates with ISO14443A identifiers, supports SL1 and SL3 modes for Mifare®Plus. Read range — up to 5 cm.

Reads encrypted identifiers with static or diversified key and with an arbitrary card number. Simultaneous use of five encryption profiles.

## Easy connection

Seamless and easy connection to existing and new access systems, due to the OSDP, Wiegand 26, 32, 34, 37, 40, 42, 56, 58, 64 bit interfaces, Wiegand with automatic selection, RS232 and TouchMemory supports.

## Mobile Apps

Free mobile application U-Prox Key receives, stores and transmits mobile credentials U-Prox ID between the reader and the smartphone. With the free mobile application U-Prox Config, the reader can be completely adjusted — from the indication to the encryption modes.

## TECHNICAL SPECIFICATIONS

Read range	NFC, Mifare and RFID 125 kHz - up to 5 cm, 2.4 GHz radio - adjustable 10 cm - 15 m
Mifare®, 13.56 MHz	ISO14443A: Mifare®Standard, Mifare®Hi-Memory, Mifare®Ultralight, Mifare®Classic 1K/4K, Mifare®Classic 7UID, Mifare® Plus SL1 and SL3
NFC, 13.56 MHz	ISO 14443/15693
RFID, 125 kHz	ASK and FSK
Case material	ABS+PC plastic
Color	black
Dimensions	45 x 120 x 12 mm
Weight	70 g
Ambient	IP65, -40°C . . . +60°C
Power supply	+9. . . +15 VDC, max current- up to 90 mA Voltage ripple - up to 500 mVp-p
Interfaces	OSDP, Wiegand 26, 32, 34, 37, 40, 42, 56, 58, 64 bits, Wiegand Auto, RS232 and TM
Wiring	8 wire cable, maximum distance to panel - up to 150 m for Wiegand interface, up to 30 m for TouchMemory interface, up to 1000 m for OSDP interface

# U-Prox SE keypad

Versatile reader with a keypad



- Mobile credentials
- NFC and 2.4 GHz radio
- Adjustable 2.4 GHz distance (0.1 - 15 m)
- Mifare Plus SL1/SL3 and Mifare Classic
- Supports multiple formats of 125 kHz RFID
- Smartphone adjustable
- Adjustable OSDP/Wiegand interface
- Convenient and safe
- Simple and convenient installation
- Built-in keypad

The adjustable versatile SmartLine second edition (SE) reader for mobile credentials and proximity identifiers in conjunction with the U-Prox Key application and U-Prox IDs will allow any access control system to use smartphones as access system credentials.

## 2.4 GHz radio

Reader supports 3 operation modes for smartphones with U-Prox ID:

- "Door-Proximity" – 10-20 cm, reader activates by built-in IR sensor. Recommended for double-sided doors and turnstiles
- "Door" - up to 60-70 cm
- "Barrier/Gate" - adjustable range of interaction from 1 to 15 m.

## Mifare® и Mifare®Plus

Operates with ISO14443A identifiers, supports SL1 and SL3 modes for Mifare®Plus. Read range — up to 5 cm.

Reads encrypted identifiers with static or diversified key and with an arbitrary card number.

Simultaneous use of five encryption profiles.

## Keypad

Reader transmits keypad codes in one of the programmed modes — package (after the '#' key press) or digit-by-digit (4 or 8 bits per symbol).

## Easy connection

Seamless and easy connection to existing and new access systems, due to the OSDP, Wiegand 26, 32, 34, 37, 40, 42, 56, 58, 64 bit interfaces, Wiegand with automatic selection, RS232 and TouchMemory supports.

## Mobile Apps

Free mobile application U-Prox Key receives, stores and transmits mobile credentials U-Prox ID between the reader and the smartphone.

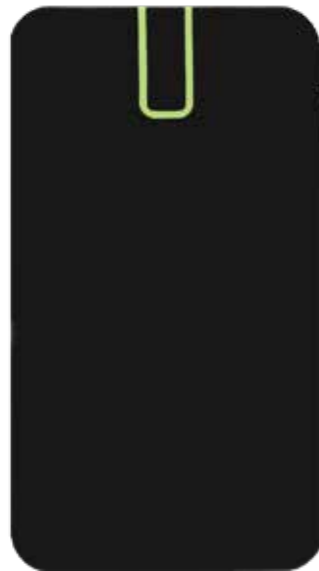
With the free mobile application U-Prox Config, the reader can be completely adjusted — from the encryption modes.

## TECHNICAL SPECIFICATIONS

Read range	NFC, Mifare and RFID 125 kHz - up to 5 cm, 2.4 GHz radio adjustable 10 cm - 15 m
Mifare®, 13.56 MHz	ISO14443A: Mifare®Standard, Mifare®Hi-Memory, Mifare®Ultralight, Mifare®Classic 1K/4K, Mifare®Classic 7UID, Mifare® Plus SL1 and SL3
NFC, 13.56 MHz	ISO 14443/15693
RFID, 125 kHz	ASK and FSK
Case material	ABS+PC plastic
Color	black
Dimensions	56 x 112 x 12 mm
Weight	90 g
Ambient	IP65, -40°C . . . +60°C
Power supply	+9. . . +15 VDC, max current- up to 90 mA Voltage ripple - up to 500 mVp-p
Interfaces	OSDP, Wiegand 26, 32, 34, 37, 40, 42, 56, 58, 64 bits, Wiegand Auto, RS232 and TM
Wiring	8 wire cable, maximum distance to panel - up to 150 m for Wiegand interface, up to 30 m for TouchMemory interface, up to 1000 m for OSDP interface
Keypad	Built-in, wireless. Programmable modes - package (after the '#' key press) or digit-by-digit (4 or 8 bits per symbol).

# U-Prox SL mini

Versatile reader



- Mobile credentials
- NFC and 2.4 GHz radio
- Adjustable 2.4 GHz distance (0.1 - 15 m)
- Mifare Plus SL1/SL3 and Mifare Classic
- Supports multiple formats of 125 kHz RFID
- Smartphone adjustable
- Adjustable Wiegand interface
- Convenient and safe
- Simple and convenient installation

The adjustable versatile SmartLine second edition (SE) reader for mobile credentials and proximity identifiers in conjunction with the U-Prox Key application and U-Prox IDs will allow any access control system to use smartphones as access system credentials.

## 2.4 GHz radio

Reader supports 3 operation modes for smartphones with U-Prox ID:

- "Door-Proximity" – 10-20 cm, reader activates by built-in IR sensor. Recommended for double-sided doors and turnstiles
- "Door" - up to 60-70 cm
- "Barrier/Gate" - adjustable range of interaction from 1 to 15 m.

## Mifare® и Mifare®Plus

Operates with ISO14443A identifiers, supports SL1 and SL3 modes for Mifare®Plus. Read range — up to 5 cm.

Reads encrypted identifiers with static or diversified key and with an arbitrary card number. Simultaneous use of five encryption profiles.

## Easy connection

Seamless and easy connection to existing and new access systems, due to the Wiegand 26, 32, 34, 37, 40, 42, 56, 58, 64 bit interfaces, Wiegand with automatic selection, RS232 and TouchMemory supports.

## Mobile Apps

Free mobile application U-Prox Key receives, stores and transmits mobile credentials U-Prox ID between the reader and the smartphone. With the free mobile application U-Prox Config, the reader can be completely adjusted — from the indication to the encryption modes.

## TECHNICAL SPECIFICATIONS

Read range	NFC, Mifare and RFID 125 kHz - up to 5 cm, 2.4 GHz radio adjustable 10 cm - 15 m
Mifare®, 13.56 MHz	ISO14443A: Mifare®Standard, Mifare®Hi-Memory, Mifare®Ultralight, Mifare®Classic 1K/4K, Mifare®Classic 7UID, Mifare® Plus SL1 and SL3
NFC, 13.56 MHz	ISO 14443/15693
RFID, 125 kHz	ASK and FSK
Case material	ABS+PC plastic
Color	black, light-gray
Dimensions	45 x 80 x 12.5 mm
Weight	70 g
Ambient	IP65, -40°C . . . +60°C
Power supply	+9. . . +15 VDC, max current- up to 90 mA Voltage ripple - up to 500 mVp-p
Interfaces	Wiegand 26, 32, 34, 37, 40, 42, 56, 58, 64 bits, Wiegand Auto, RS232 and TM
Wiring	8 wire cable, maximum distance to panel - up to 150 m for Wiegand interface, up to 30 m for TouchMemory interface

# U-Prox SL steel

Versatile reader



- Mobile credentials
- NFC and 2.4 GHz radio
- adjustable 2.4 GHz distance (0.1 - 15 m)
- Mifare Plus SL1/SL3 and Mifare Classic
- Supports multiple formats of 125 kHz RFID
- Smartphone adjustable
- Adjustable Wiegand interface
- Convenient and safe
- Simple and convenient installation
- Stainless steel case

The adjustable versatile SmartLine (SL) reader for mobile credentials and proximity identifiers in conjunction with the U-Prox Key application and U-Prox IDs will allow any access control system to use smartphones as access system credentials.

## 2.4 GHz radio

Reader supports 3 operation modes for smartphones with U-Prox ID:

- "Door-Proximity" – 10-20 cm, reader activates by built-in IR sensor. Recommended for double-sided doors and turnstiles
- "Door" - up to 60-70 cm
- "Barrier/Gate" - adjustable range of interaction from 1 to 12 m.

## Mifare® и Mifare®Plus

Operates with ISO14443A identifiers, supports SL1 and SL3 modes for Mifare®Plus. Read range — up to 4 cm.

Reads encrypted identifiers with static or diversified key and with an arbitrary card number. Simultaneous use of five encryption profiles.

## Easy connection

Seamless and easy connection to existing and new access systems, due to the Wiegand 26, 32, 34, 37, 40, 42, 56, 58, 64 bit interfaces, Wiegand with automatic selection, RS232 and TouchMemory supports.

## Mobile Apps

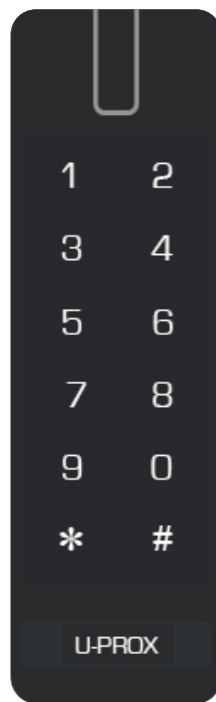
Free mobile application U-Prox Key receives, stores and transmits mobile credentials U-Prox ID between the reader and the smartphone. With the free mobile application U-Prox Config, the reader can be completely adjusted — from the indication to the encryption modes.

## TECHNICAL SPECIFICATIONS

Read range	NFC, Mifare and RFID 125 kHz - up to 4 cm, 2.4 GHz radio - adjustable 10 cm - 12 m
Mifare®, 13.56 MHz	ISO14443A: Mifare®Standard, Mifare®Hi-Memory, Mifare®Ultralight, Mifare®Classic 1K/4K, Mifare®Classic 7UID, Mifare® Plus SL1 and SL3
NFC, 13.56 MHz	ISO 14443/15693
RFID, 125 kHz	ASK and FSK
Case material	1.2 mm stainless steel
Color	steel
Dimensions	80 x 114 x 16 mm
Weight	260 g
Ambient	IP65, -40°C . . . +60°C
Power supply	+9. . . +15 VDC, max current- up to 90 mA Voltage ripple - up to 500 mVp-p
Interfaces	Wiegand 26, 32, 34, 37, 40, 42, 56, 58, 64 bits, Wiegand Auto, RS232 and TM
Wiring	8 wire cable, maximum distance to panel - up to 150 m for Wiegand interface, up to 30 m for TouchMemory interface

# U-Prox SL keypad

Versatile reader with a keypad



- Mobile credentials
- NFC and 2.4 GHz radio
- Adjustable 2.4 GHz distance (0.1 - 15 m)
- Mifare Plus SL1/SL3 and Mifare Classic
- Supports multiple formats of 125 kHz RFID
- Smartphone adjustable
- Adjustable Wiegand interface
- Convenient and safe
- Simple and convenient installation
- Built-in keypad

The adjustable versatile SmartLine (SL) reader for mobile credentials and proximity identifiers in conjunction with the U-Prox Key application and U-Prox IDs will allow any access control system to use smartphones as access system credentials.

## 2.4 GHz radio

Reader supports 3 operation modes for smartphones with U-Prox ID:

- "Door-Proximity" – 10-20 cm, reader activates by built-in IR sensor. Recommended for double-sided doors and turnstiles
- "Door" - up to 60-70 cm
- "Barrier/Gate" - adjustable range of interaction from 1 to 15 m.

## Mifare® и Mifare®Plus

Operates with ISO14443A identifiers, supports SL1 and SL3 modes for Mifare®Plus. Read range — up to 5 cm.

Reads encrypted identifiers with static or diversified

key and with an arbitrary card number. Simultaneous use of five encryption profiles.

## Keypad

Reader transmits keypad codes in one of the programmed modes — package (after the '#' key press) or digit-by-digit (4 or 8 bits per symbol).

## Easy connection

Seamless and easy connection to existing and new access systems, due to the Wiegand 26, 32, 34, 37, 40, 42, 56, 58, 64 bit interfaces, Wiegand with automatic selection, RS232 and TouchMemory supports.

## Mobile Apps

Free mobile application U-Prox Key receives, stores and transmits mobile credentials U-Prox ID between the reader and the smartphone.

With the free mobile application U-Prox Config, the reader can be completely adjusted — from the indication to the encryption modes.

## TECHNICAL SPECIFICATIONS

Read range	NFC, Mifare and RFID 125 kHz - up to 5 cm, 2.4 GHz radio - adjustable 10 cm - 15 m
Mifare®, 13.56 MHz	ISO14443A: Mifare®Standard, Mifare®Hi-Memory, Mifare®Ultralight, Mifare®Classic 1K/4K, Mifare®Classic 7UID, Mifare® Plus SL1 and SL3
NFC, 13.56 MHz	ISO 14443/15693
RFID, 125 kHz	ASK and FSK
Case material	ABS+PC plastic
Color	black
Dimensions	42.8 x 157.8 x 16 mm
Weight	120 g
Ambient	IP65, -40°C . . . +60°C
Power supply	+9. . . +15 VDC, max current- up to 90 mA Voltage ripple - up to 500 mVp-p
Interfaces	Wiegand 26, 32, 34, 37, 40, 42, 56, 58, 64 bits, Wiegand Auto, RS232 and TM
Wiring	8 wire cable, maximum distance to panel - up to 150 m for Wiegand interface, up to 30 m for TouchMemory interface
Keypad	Built-in, wireless. Programmable modes - package (after the '#' key press) or digit-by-digit (4 or 8 bits per symbol).

# U-Prox SL maxi

Versatile reader



- Mobile credentials
- NFC and 2.4 GHz radio
- Adjustable 2.4 GHz distance (0.1 - 15 m)
- Mifare Plus SL1/SL3 and Mifare Classic
- Supports multiple formats of 125 kHz RFID
- Smartphone adjustable
- Adjustable Wiegand interface
- Convenient and safe
- Simple and convenient installation

The adjustable versatile SmartLine (SL) reader for mobile credentials and proximity identifiers in conjunction with the U-Prox Key application and U-Prox IDs will allow any access control system to use smartphones as access system credentials.

## 2.4 GHz radio

Reader supports 3 operation modes for smartphones with U-Prox ID:

- "Door-Proximity" – 10-20 cm, reader activates by built-in IR sensor. Recommended for double-sided doors and turnstiles
- "Door" - up to 60-70 cm
- "Barrier/Gate" - adjustable range of interaction from 1 to 15 m.

## Mifare® и Mifare®Plus

Operates with ISO14443A identifiers, supports SL1 and SL3 modes for Mifare®Plus. Read range — up to 5 cm.

Reads encrypted identifiers with static or diversified key and with an arbitrary card number. Simultaneous use of five encryption profiles.

## Easy connection

Seamless and easy connection to existing and new access systems, due to the Wiegand 26, 32, 34, 37, 40, 42, 56, 58, 64 bit interfaces, Wiegand with automatic selection, RS232 and TouchMemory supports.

## Mobile Apps

Free mobile application U-Prox Key receives, stores and transmits mobile credentials U-Prox ID between the reader and the smartphone.

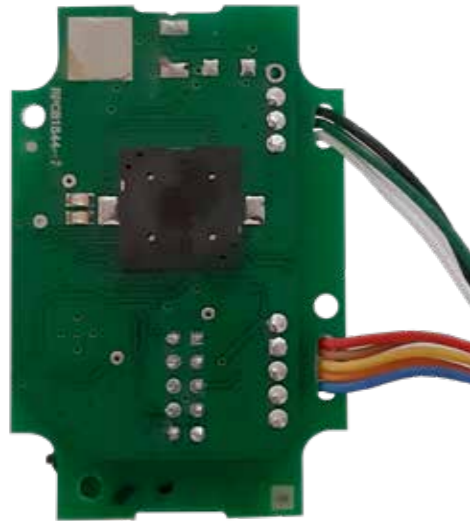
With the free mobile application U-Prox Config, the reader can be completely adjusted — from the indication to the encryption modes.

## TECHNICAL SPECIFICATIONS

Read range	NFC, Mifare and RFID 125 kHz - up to 5 cm, 2.4 GHz radio - adjustable 10 cm - 15 m
Mifare®, 13.56 MHz	ISO14443A: Mifare®Standard, Mifare®Hi-Memory, Mifare®Ultralight, Mifare®Classic 1K/4K, Mifare®Classic 7UID, Mifare® Plus SL1 and SL3
NFC, 13.56 MHz	ISO 14443/15693
RFID, 125 kHz	ASK and FSK
Case material	ABS+PC plastic
Color	black
Dimensions	42.8 x 157.8 x 16 mm
Weight	120 g
Ambient	IP65, -40°C . . . +60°C
Power supply	+9. . . +15 VDC, max current- up to 90 mA Voltage ripple - up to 500 mVp-p
Interfaces	Wiegand 26, 32, 34, 37, 40, 42, 56, 58, 64 bits, Wiegand Auto, RS232 and TM
Wiring	8 wire cable, maximum distance to panel - up to 150 m for Wiegand interface, up to 30 m for TouchMemory interface

# U-Prox SL OEM

Versatile reader for integration



- Mobile credentials
- NFC and 2.4 GHz radio
- Adjustable 2.4 GHz distance (0.1 - 15 m)
- Mifare Plus SL1/SL3 and Mifare Classic
- Supports multiple formats of 125 kHz RFID
- Smartphone adjustable
- Adjustable Wiegand interface
- Convenient and safe

The adjustable versatile SmartLine (SL) reader for mobile credentials and proximity identifiers in conjunction with the U-Prox Key application and U-Prox IDs will allow any access control system to use smartphones as access system credentials.

### 2.4 GHz radio

Reader supports 3 operation modes for smartphones with U-Prox ID:

- "Door-Proximity" – 10-20 cm, reader activates by built-in IR sensor. Recommended for double-sided doors and turnstiles
- "Door" - up to 60-70 cm
- "Barrier/Gate" - adjustable range of interaction from 1 to 15 m.

### Mifare® и Mifare®Plus

Operates with ISO14443A identifiers, supports SL1 and SL3 modes for Mifare®Plus. Read range — up to 5 cm.

Reads encrypted identifiers with static or diversified key and with an arbitrary card number. Simultaneous use of five encryption profiles.

### Easy connection

Seamless and easy connection to existing and new access systems, due to the Wiegand 26, 32, 34, 37, 40, 42, 56, 58, 64 bit interfaces, and Wiegand with automatic selection.

There are separate RS-232 interface for integration into arbitrary systems.

### Mobile Apps

Free mobile application U-Prox Key receives, stores and transmits mobile credentials U-Prox ID between the reader and the smartphone.

With the free mobile application U-Prox Config, the reader can be completely adjusted — from the indication to the encryption modes.

## TECHNICAL SPECIFICATIONS

Read range	NFC, Mifare and RFID 125 kHz - up to 5 cm, 2.4 GHz radio - adjustable 10 cm - 15 m
Mifare®, 13.56 MHz	ISO14443A: Mifare®Standard, Mifare®Hi-Memory, Mifare®Ultralight, Mifare®Classic 1K/4K, Mifare®Classic 7UID, Mifare® Plus SL1 and SL3
NFC, 13.56 MHz	ISO 14443/15693
RFID, 125 kHz	ASK and FSK
Dimensions	35.6 x 55 x 11 mm
Weight	20 g
Ambient	-40°C . . . +66°C, no condensation
Power supply	+5 VDC, max current- up to 80 mA Voltage ripple - up to 200mV
Interfaces	Wiegand 26, 32, 34, 37, 40, 42, 56, 58, 64 bits and Wiegand Auto
Wiring	RS interface: 3-wire cable, maximum distance - up to 10 m Wiegand RS interface: 5-wire cable, maximum distance - up to 100 m

# U-Prox Desktop

RF ID and mobile ID desktop reader



- Reading mobile credentials
- Reading NFC and 2.4 GHz radio
- Mifare Plus SL1/SL3 and Mifare Classic
- Encryption of Mifare Plus SL1/SL3 and Mifare Classic
- Supports multiple formats of 125 kHz RFID
- Smartphone adjustable
- USB interface
- U-Prox Desktop Service for integration

The adjustable versatile desktop reader for mobile credentials and proximity identifiers in conjunction with the U-Prox Key application and U-Prox IDs will allow any access control system to use smartphones as access system credentials.

### 2.4 GHz radio

Reader supports for smartphones with U-Prox ID

### Mifare® и Mifare®Plus

Operates with ISO14443A identifiers, supports SL1 and SL3 modes for Mifare®Plus. Read range — up to 5 cm.

Reads and write encrypted identifiers with static or diversified key and with an arbitrary card number.

### Easy connection

Seamless and easy connection to existing and new access systems, due via USB/RS interface or via U-Prox Desktop Service over Web or using it as a keypad

### Mobile Apps

Free mobile application U-Prox Key receives, stores and transmits mobile credentials U-Prox ID between the reader and the smartphone.

With the free mobile application U-Prox Config, the reader can be completely adjusted — from the indication to the encryption modes.

## TECHNICAL SPECIFICATIONS

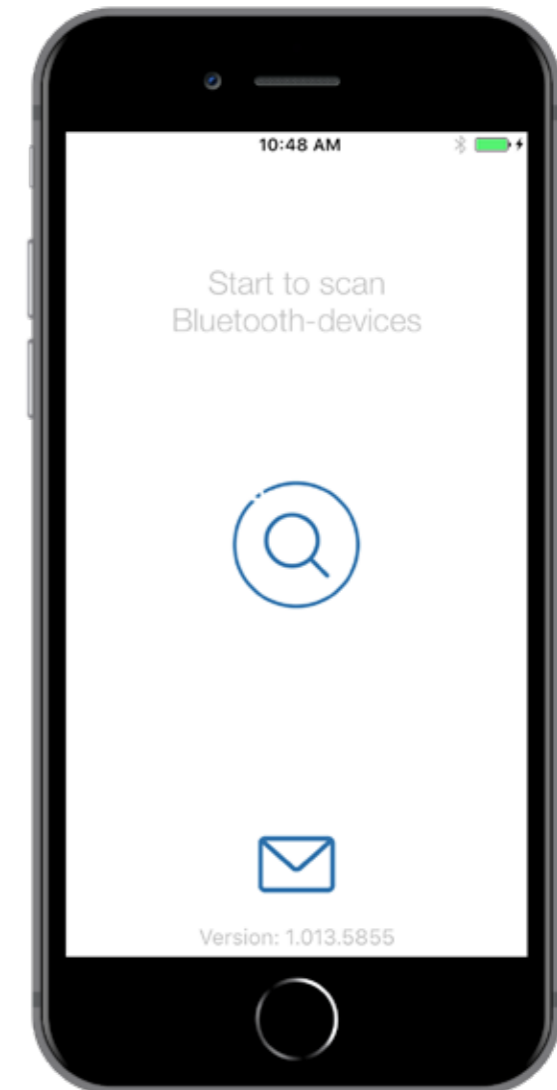
Read range	NFC, Mifare and RFID 125 kHz - up to 5 cm, 2.4 GHz radio - 10 cm-30 cm
Mifare®, 13.56 MHz	ISO14443A: Mifare®Standard, Mifare®Hi-Memory, Mifare®Ultralight, Mifare®Classic 1K/4K, Mifare®Classic 7UID, Mifare® Plus SL1 and SL3
NFC, 13.56 MHz	ISO 14443/15693
RFID, 125 kHz	ASK and FSK
Dimensions	112 x 66 x 14 mm
Weight	120 g
Ambient	-5°C . . . +55°C, no condensation
Interfaces	USB



# U-Prox Config

Mobile configurator for readers

- Adjusting output interfaces
- Adjusting indication
- Setting up BLE mode
- Setting up Mifare profiles
- Updating the firmware of the device
- Saving and resoring the configuration
- Issuing Mifare cards with U-Prox Desktop





**ACTIVE  
MOBILE ID**

## U-Prox Tag



- Contactless active identifier for authorization of access control system users in hands-free mode.
- U-Prox Tag serves to transmit included mobile ID
- Distance – up to 12 m.
- Built-in activation button available
- Works with U-Prox readers

## U-Prox Auto Tag

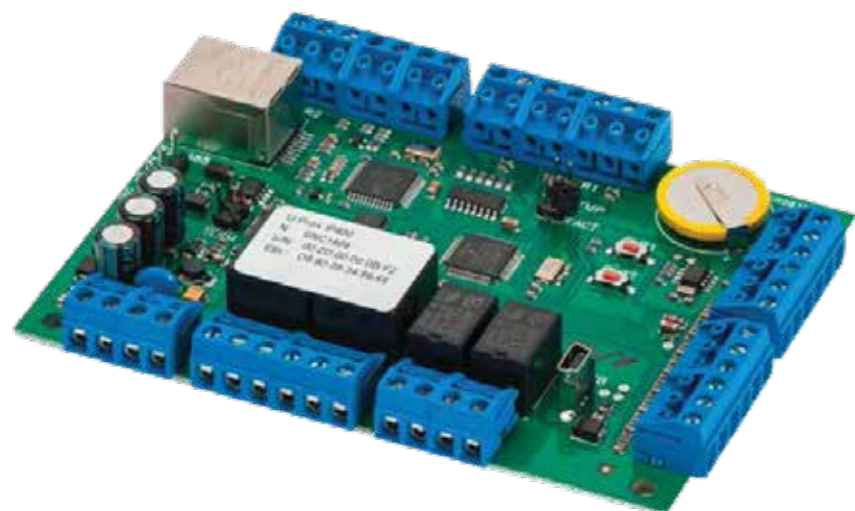


- Contactless active identifier designed to identify vehicles and improve logistics performance.
- Can be used for marking vehicles, large expensive items, carts, containers, etc.
- U-Prox Auto Tag serves to transmit included mobile ID
- Distance – up to 12 m.
- Works with U-Prox readers



# CONTROL PANELS

## U-Prox IP400

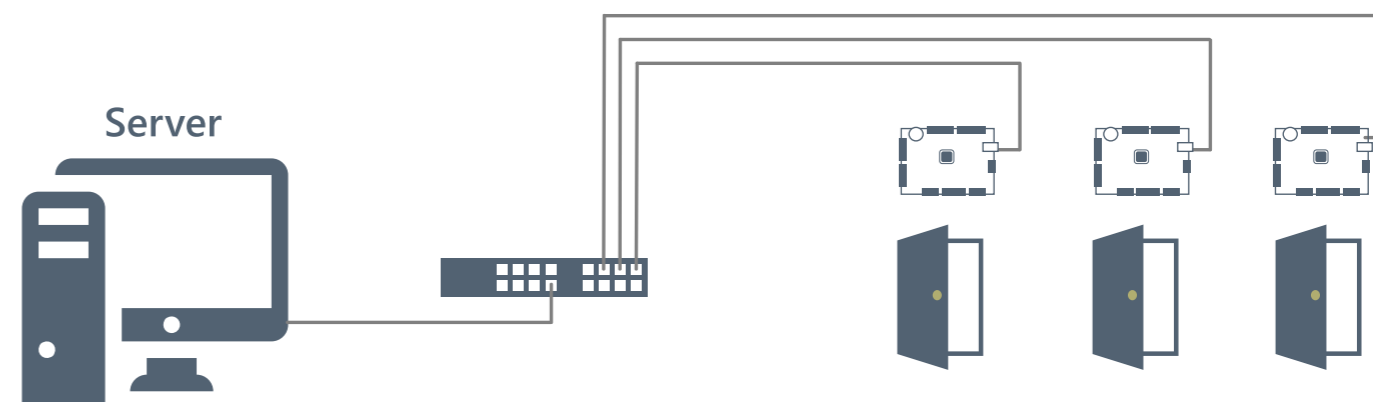


IP access controller that can work as part of the U-Prox WEB ACS on a wired computer network.

- A powerful classic control panel that works in computer network
- One double-sided door or two unilateral
- Two ports for connecting Wiegand readers
- Number of identifiers: 32 000
- Supply in a box with a power source
- The optimal solution for low cost IP systems

### TECHNICAL SPECIFICATIONS

Wiegand ports	2
End-of-line resistor supervised inputs	8
Relays (contacts NO, NC, COM)	2, 5 A @ 24 V
Relays (contacts NO, COM)	2, 1 A @ 24 V
USB port for network settings configuring	
Ethernet port, 10BASE-T/100BASE-TX	
Real-time clock	
Antipassback	
IDs	32000
Events	35000
Schedules	250 time zones, 250 weekly schedules, 250 holidays



# U-Prox IP400 OSDP

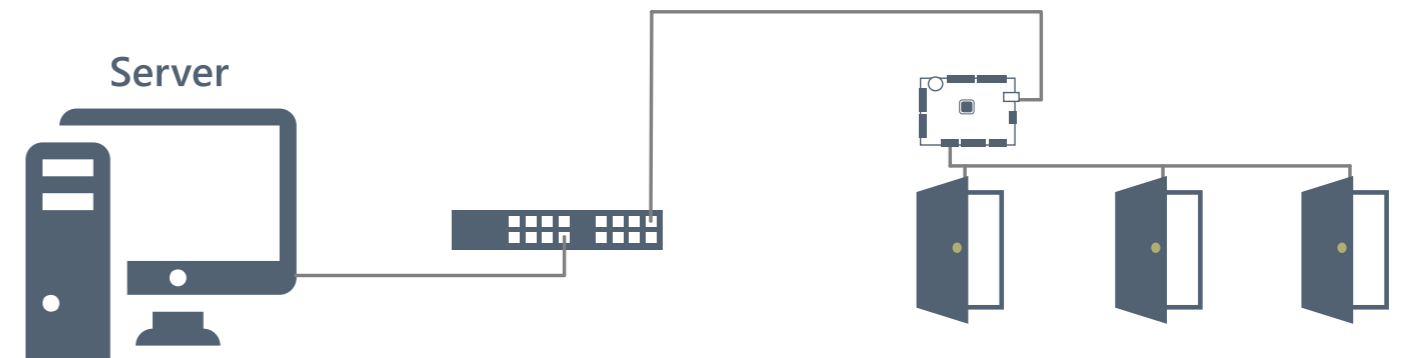


IP access controller that can work as part of the U-Prox WEB ACS on a wired computer network.

- A powerful new control panel that works in computer network
- Two double-sided door or four unilateral
- One OSD Port, up to 8 readers
- Number of identifiers: 32 000
- Supply in a box with a power source
- The optimal solution for low cost IP systems

## TECHNICAL SPECIFICATIONS

OSDP	One port, up to 8 readers
End-of-line resistor supervised inputs	8
Relays (contacts NO, NC, COM)	4, 5 A @ 24 V
USB port for network settings configuring	
Ethernet port, 10BASE-T/100BASE-TX	
Real-time clock	
Antipassback	
IDs	32000
Events	35000
Schedules	250 time zones, 250 weekly schedules, 250 holidays



# U-Prox IC A

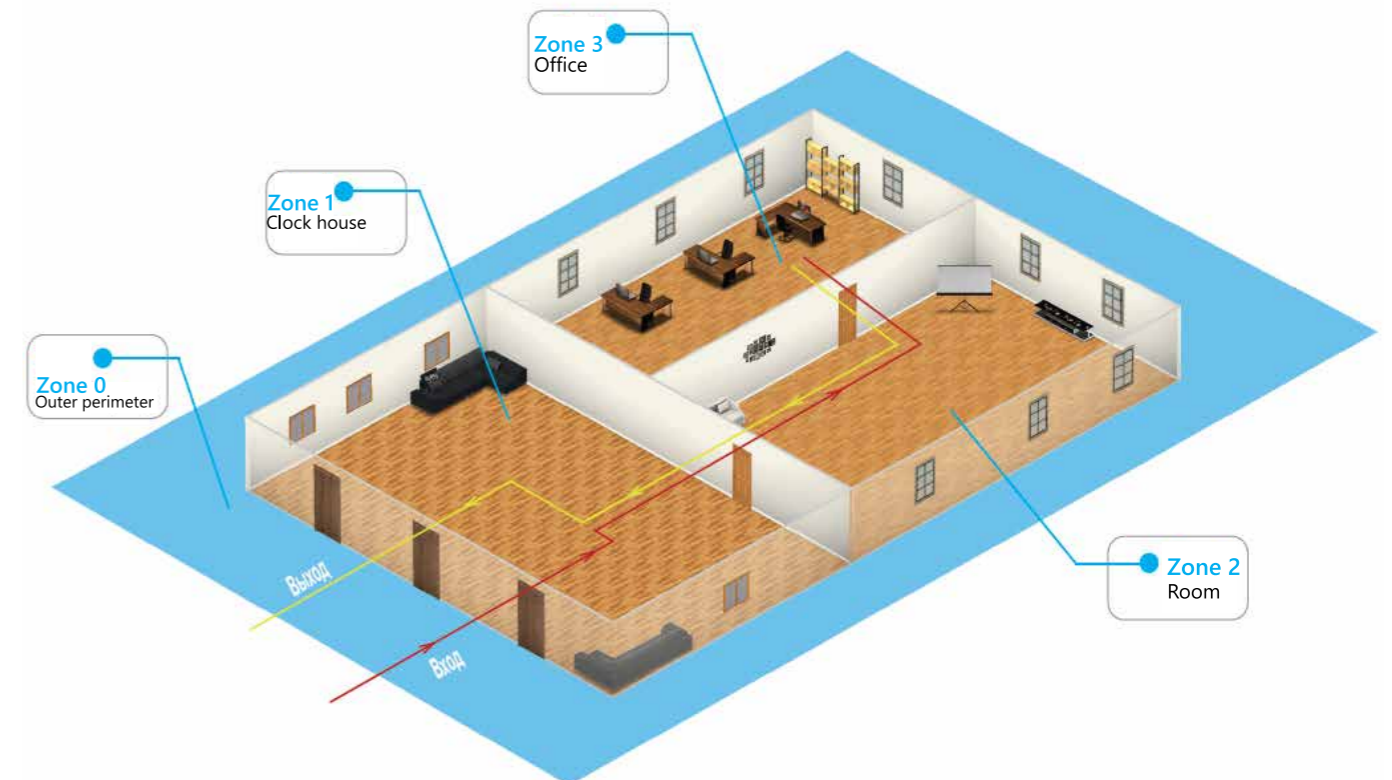


Intelligent controller for the organization of a global anti-pass back system (antipassback).

U-Prox IC-A combines IP access controllers into a single system designed to track the movement of employees around the facility (from room to room - from zone to zone) and monitor violations.

## TECHNICAL SPECIFICATIONS

Controls	Up to 255 IP400
Anti passback zones	64
USB port for network settings configuring	
Ethernet port, 10BASE-T/100BASE-TX	
Real-time clock	
IDs	32000
Events	35000
Schedules	250 time zones, 250 weekly schedules, 250 holidays



# U-Prox IC E

Elevator system



## TECHNICAL SPECIFICATIONS

Floors	64
RM modules	8
Relays (contacts NO, NC, COM)	64, 5 A @ 24 V
USB port for network settings configuring	
Ethernet port, 10BASE-T/100BASE-TX	
Real-time clock	
IDs	32000
Events	35000
Schedules	250 time zones, 250 weekly schedules, 250 holidays

Controller is designed to organize an access control system on the floors of the building.

- Access to floors in accordance with the access rights of the presented identifier
- Readiness to accept the next identifier immediately after selecting a floor on the elevator panel
- Sending a notice to the ACS about access to the floor after clicking the button on the floor selection panel in the elevator
- Provision of access remotely to the floor, either by the command of the ACS operator or by shorting (short circuit) the loop of the corresponding input of the U-Prox RM module;



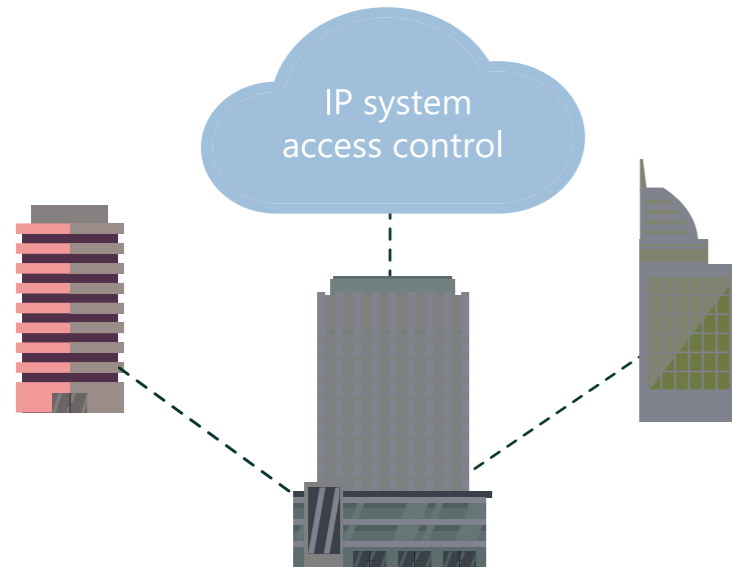




# U-PROX WEB

# U-Prox WEB

Access control system

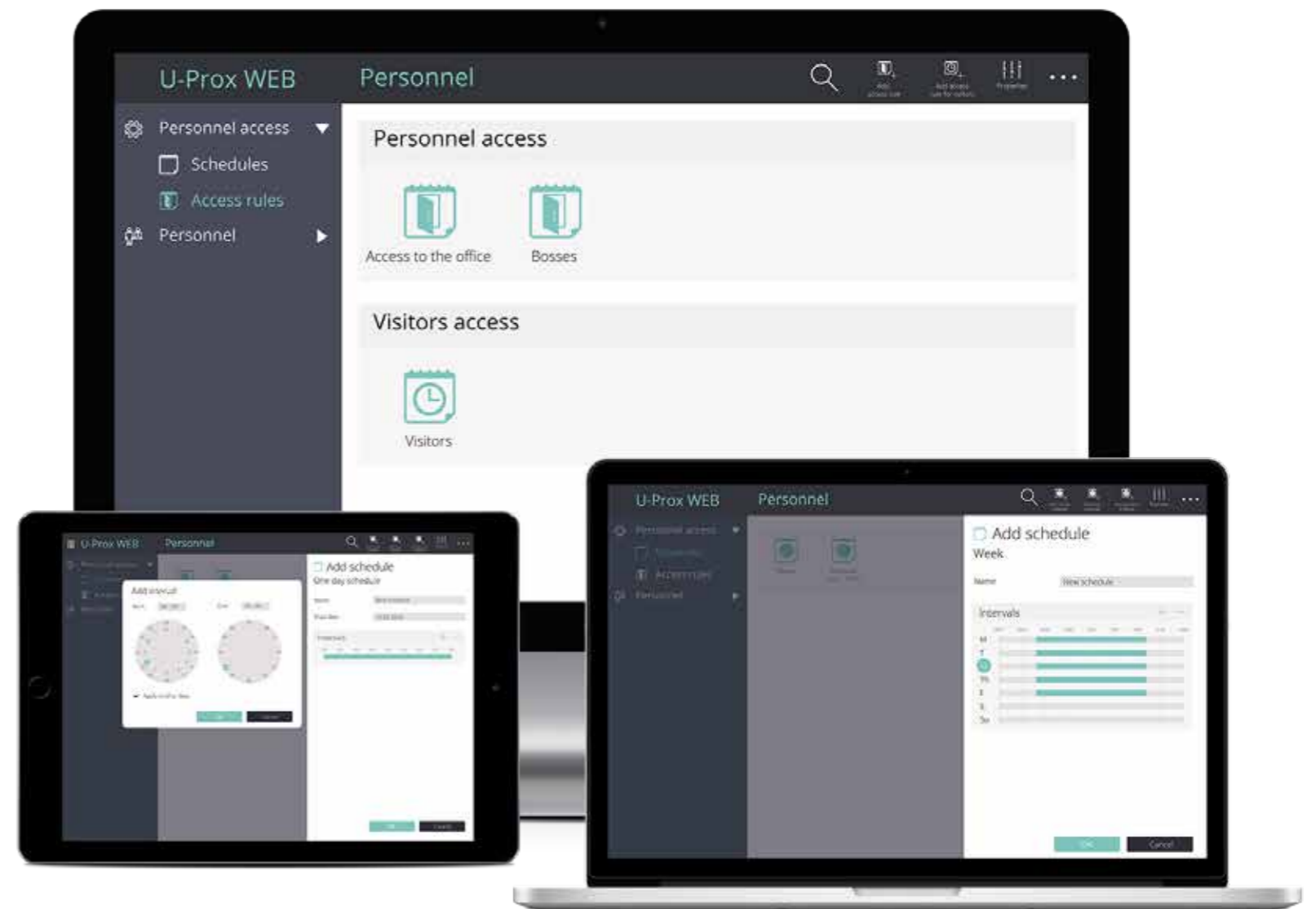


- Free software, no limitation
- Unlimited control panels, doors, IDs
- Control and setup from Web app
- 6 simple WEB workplaces
- Windows client for fine tuning
- REST protocols for integration
- Examples and documentation built-in
- IP control panels
- Integration with Mobile ID issue server
- Integration with biometric devices

U-Prox Web has functions for monitoring, setting equipment, managing staff access control, forming reports.

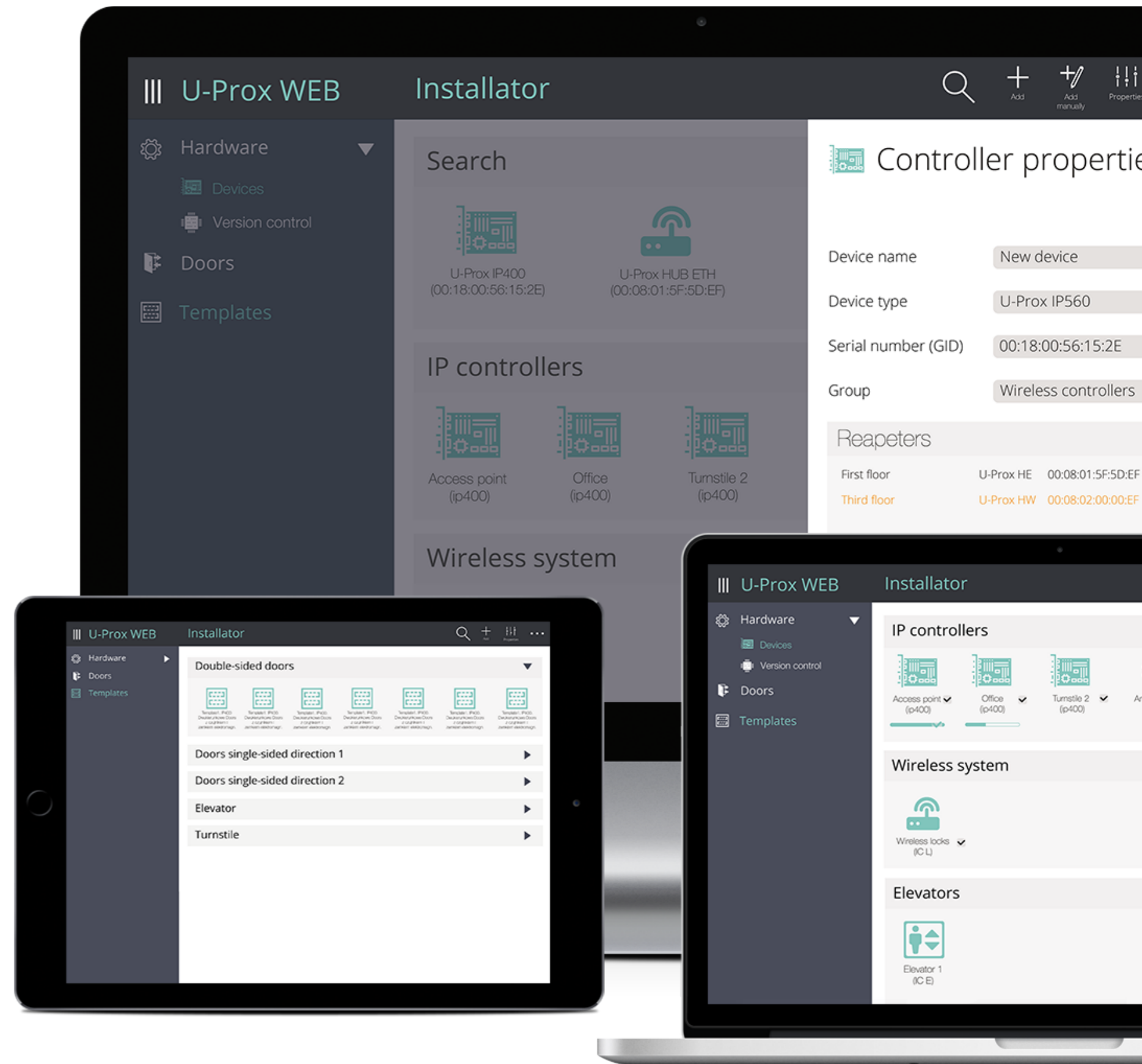
U-Prox WEB provide a full complex of solutions for quick installation, setup and daily use of ACS by any enterprise.

It has a full-featured web interface with fine-tuning of all ACS capabilities.



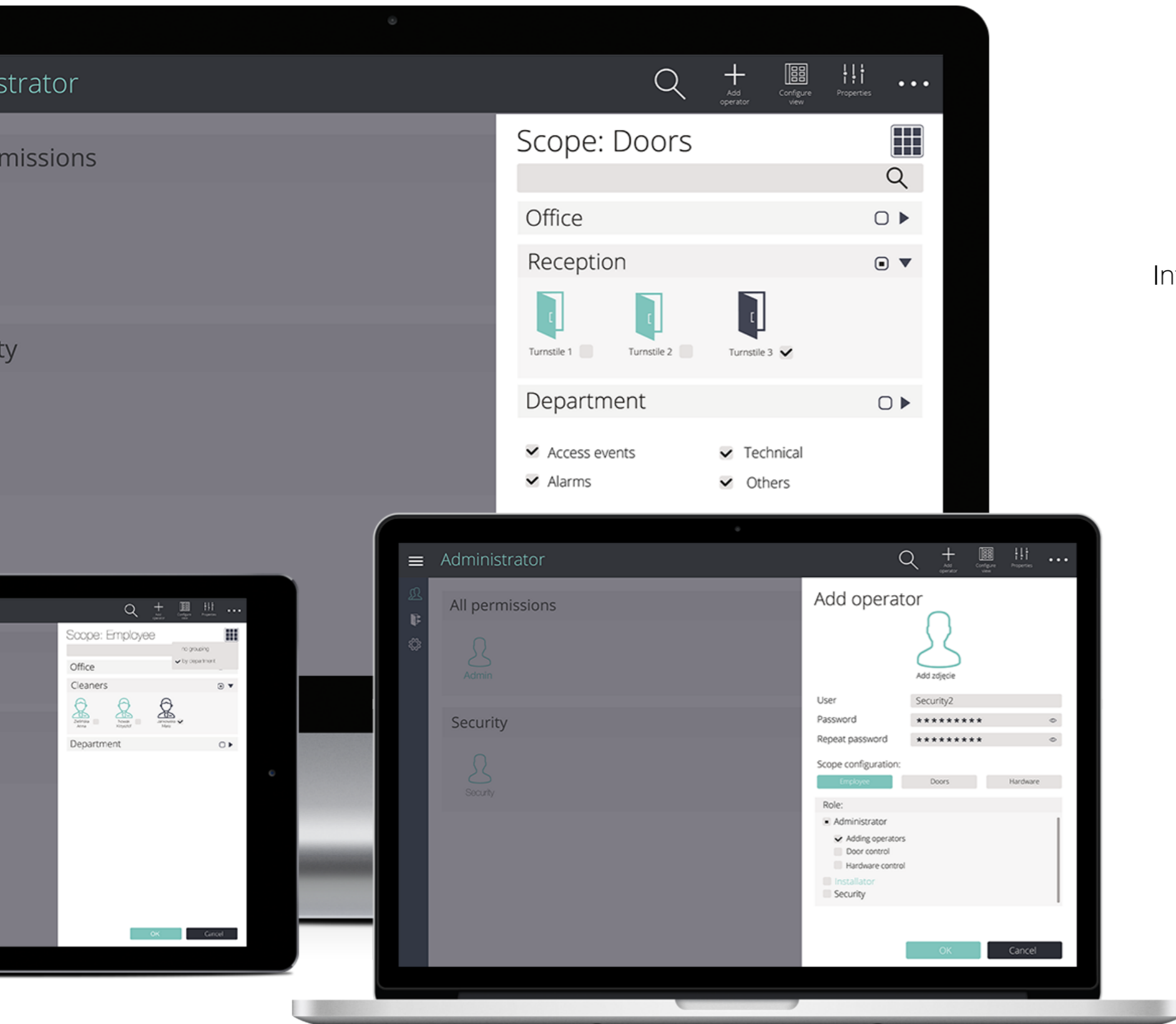
# Installer

It allows to add in the system new devices, to monitor their status and firmware versions, to configure and control doors, turnstiles and elevators.



# Administrator

WEB workplace



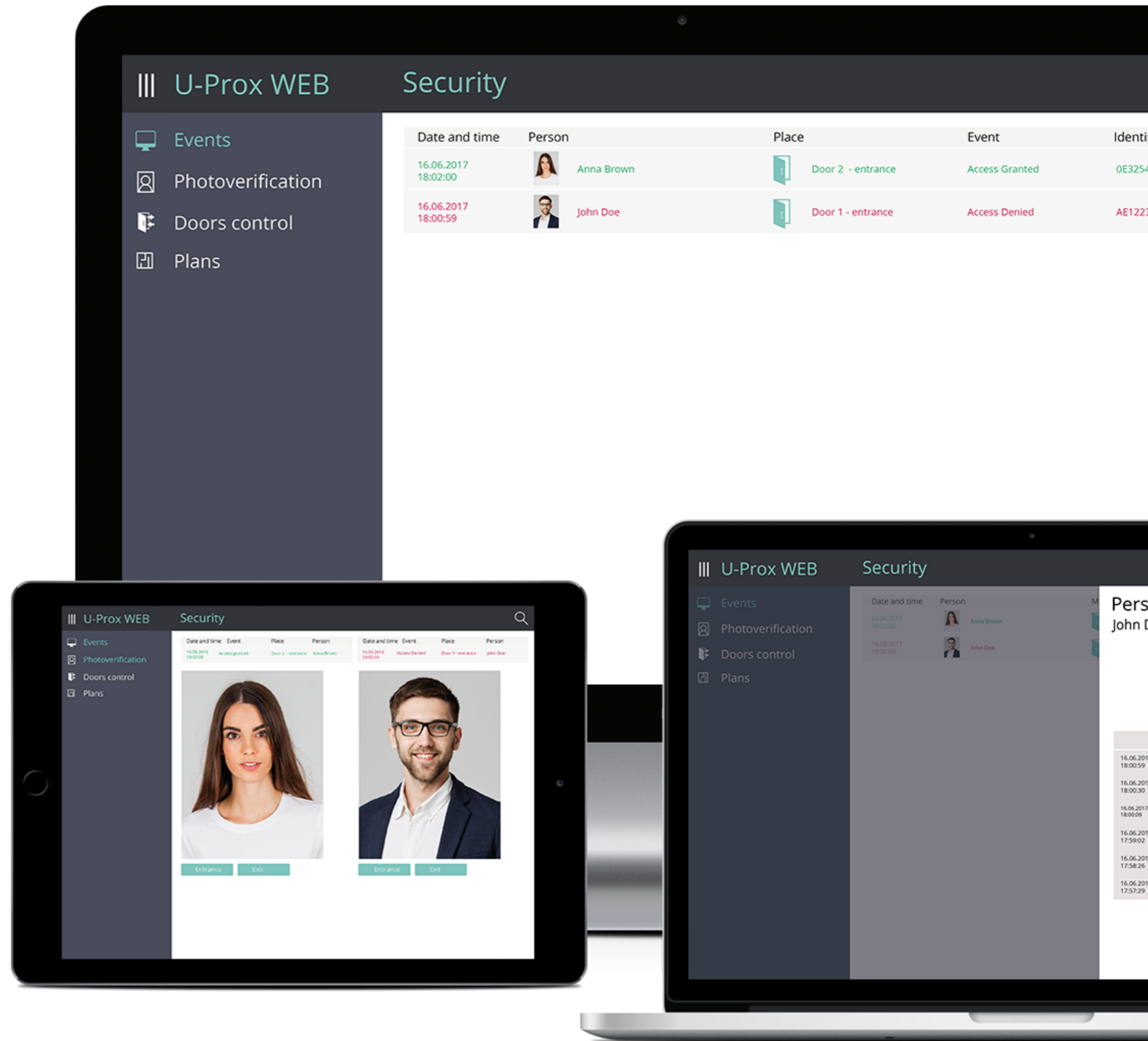
Interface for fine-tuning of system operators access rights, door management and updating controllers' firmware.

# Security

WEB workplace

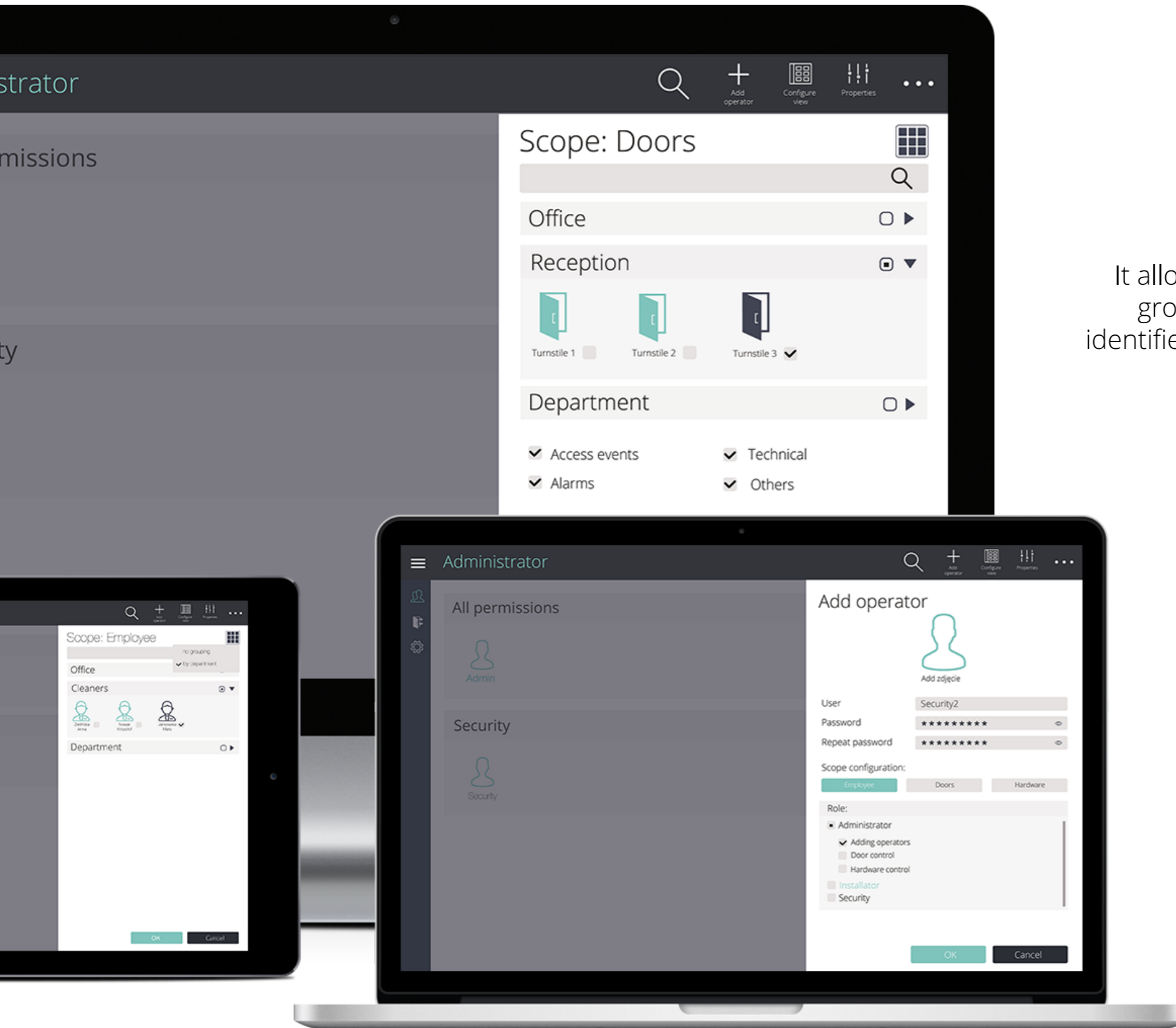
It allows to online supervise for activity in the system, to conduct photo-verification.

It provides possibility of doors control and unlock in case of emergency.



# Personnel

WEB workplace

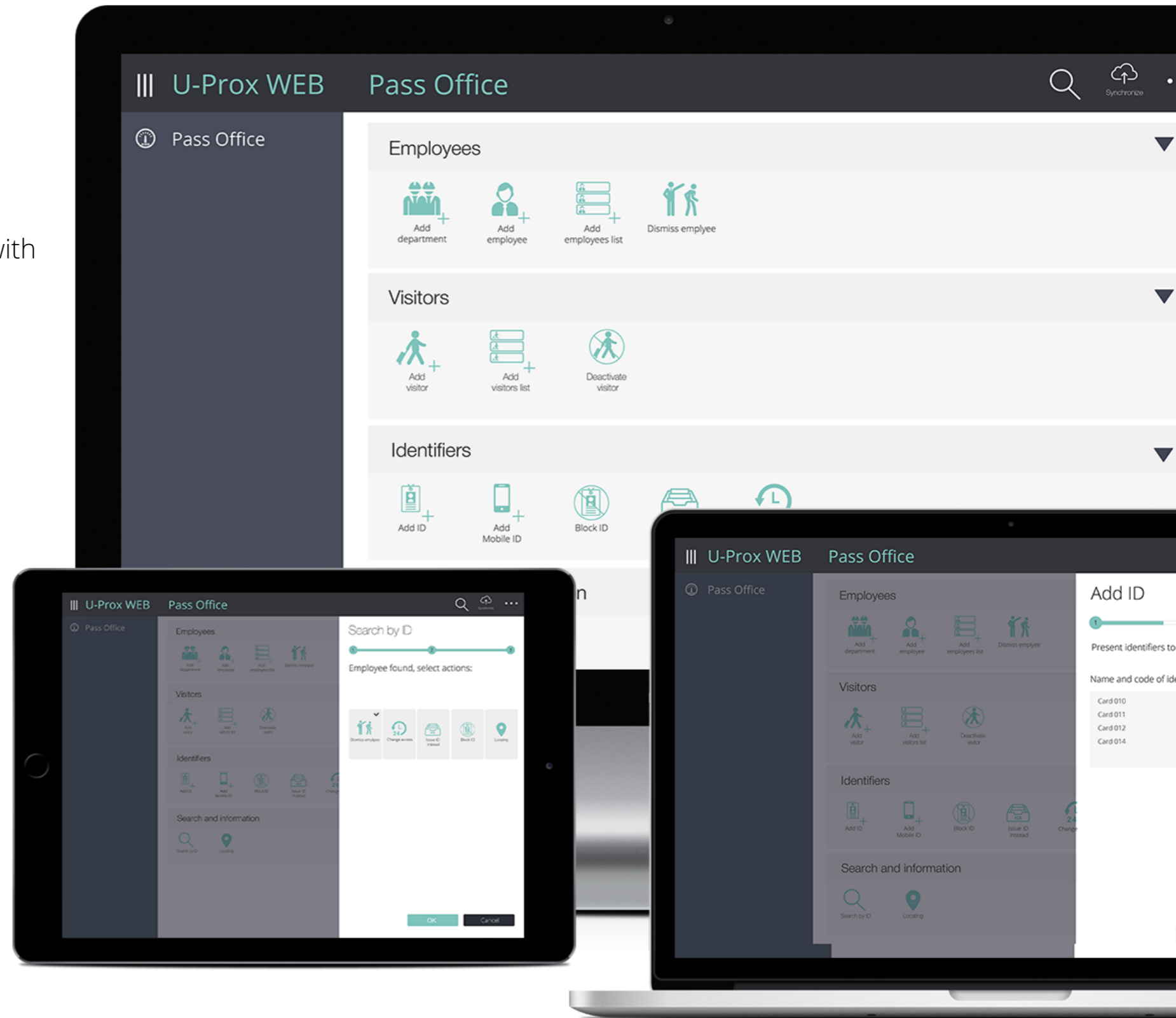


It allows to configure the enterprise structure, to create employees groups, to provide them with access to particular rooms, to issue identifiers and delete them, to form schedules for employees groups, and for particular individuals.

# Pass Office

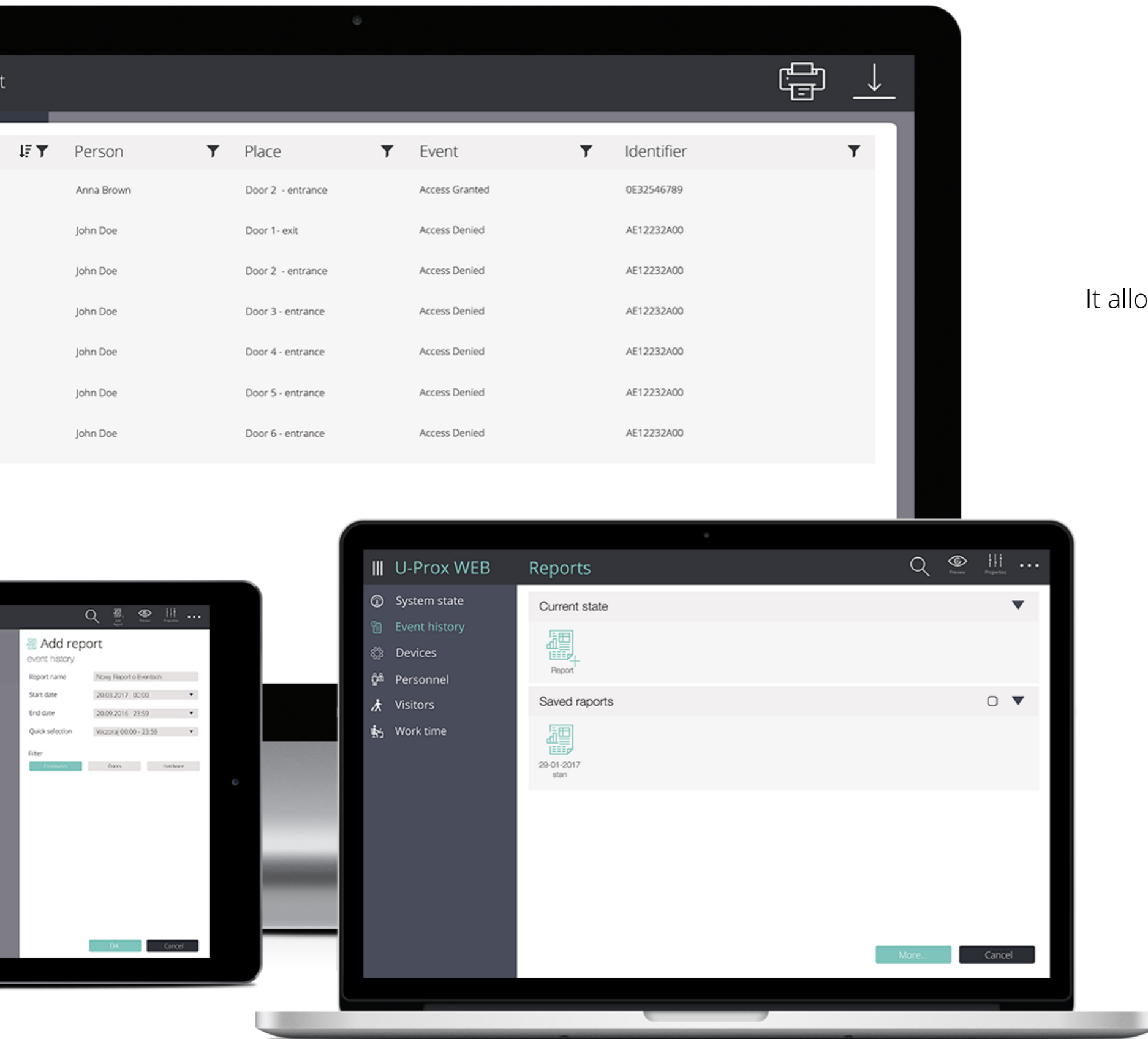
WEB workplace

It allows adding and editing departments, employees, working with identifiers, mobile IDs, deactivating visitors, employee searching by ID and determining his location.



# Reports

WEB workplace



It allows generating reports on the state of system, events, staff and visitors, as well as accounting working hours.





# INTEGRATION

# Integration API

## Simple protocols

Open formats such as JSON and XML allow to interact between various applications, to exchange data with the ACS and create applications that supplement and expand standard functionality of the U-Prox Web system.

- Secure data exchange over a network
- WEB service enable interaction with any platform and programming environment over JSON
- Implementing any user Interface using API.
- Ability to integrate with other systems and applications implemented by third-party developers.
- Operate with events, personel and reports



# Integration with other devices

Extention the functionality of ACS

Integration with other manufacturers' devices, provides the use of additional security subsystems, and can significantly extend the functionality of ACS

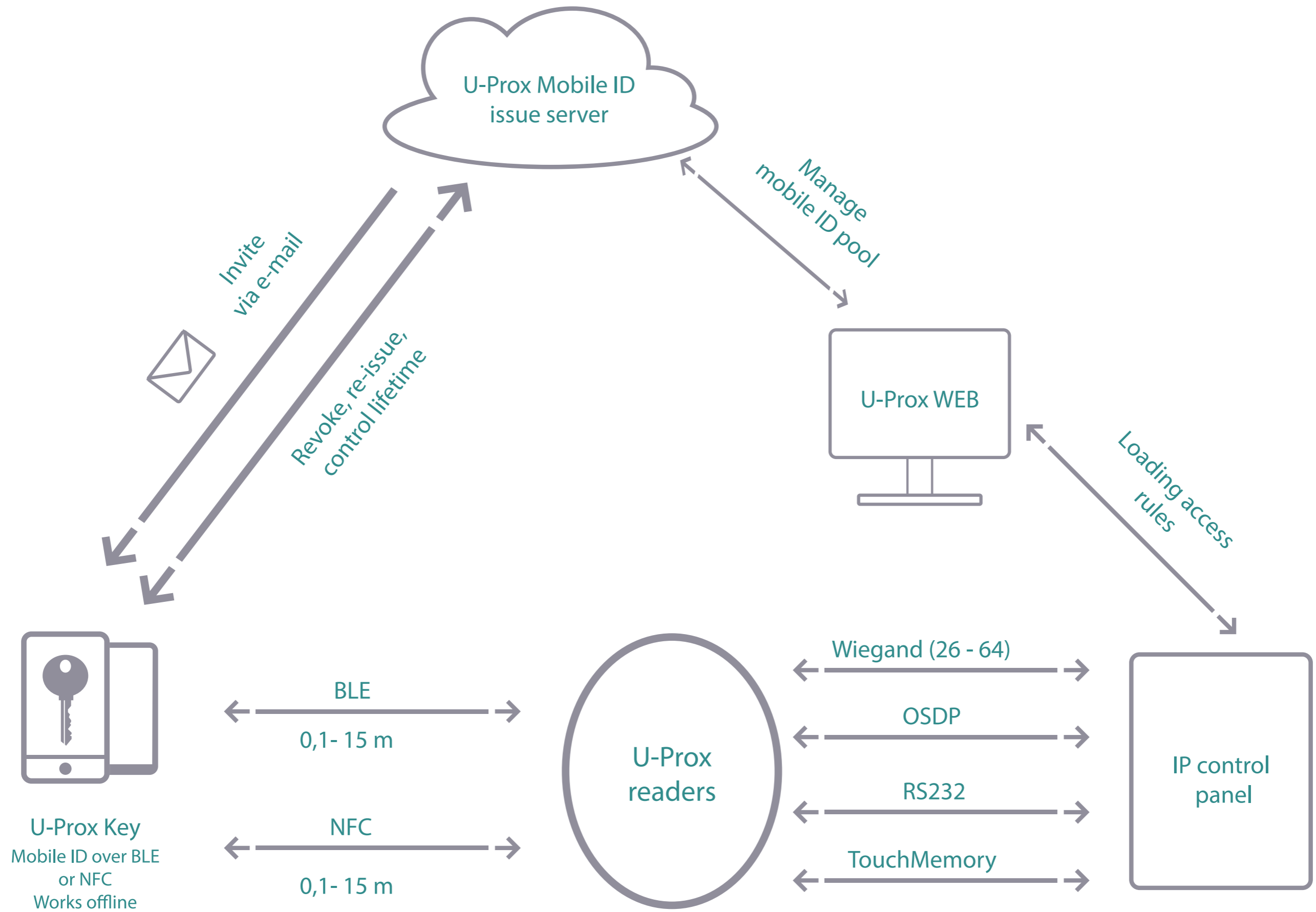
- U-Prox IP windows client is integrated with DVRs and NVRs from Teksar, Dahua and Hikvision, DVRs from Pinetron and Partizan and VSS from LINE.
- U-Prox WEB is integrated with ZKTeko and Anviz biometric
- The ability to identify users with symptoms of pneumonia (Covid-19): User temperature check and Face ID for masked people
- U-Prox WEB is integrated with BAS-IP - IP building door entry intercom system





# MOBILE ID SYSTEM

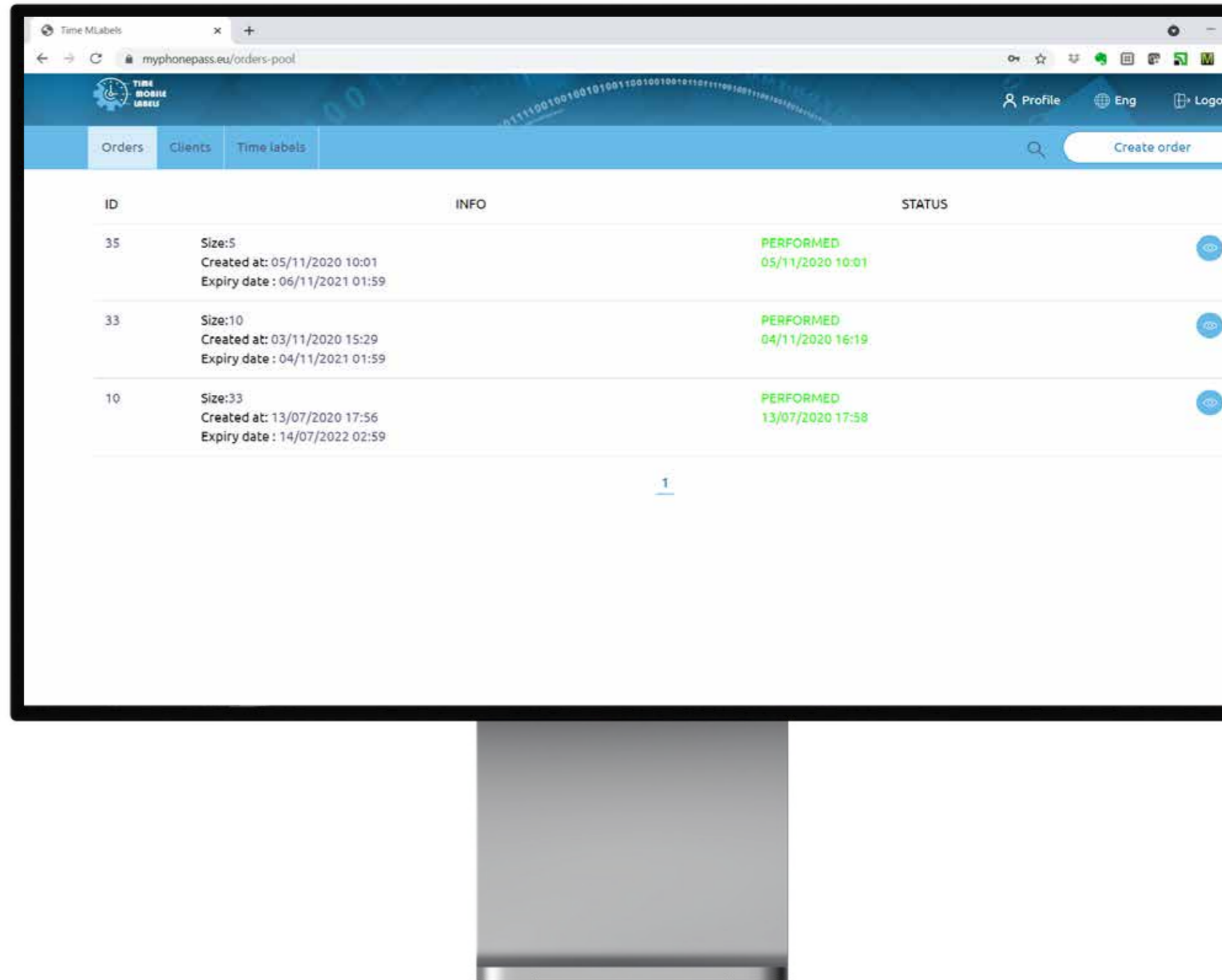
# How does it work ?



# Mobile ID issue server

Cloud server to issue, revoke and manage mobile identifiers

- WEB interface
- Integration with U-Prox WEB
- Ordering pool of mobile ID
- Issuing mobile ID for user
- Sending e-mail invite to user
- Revoke mobile ID
- Extension of validity

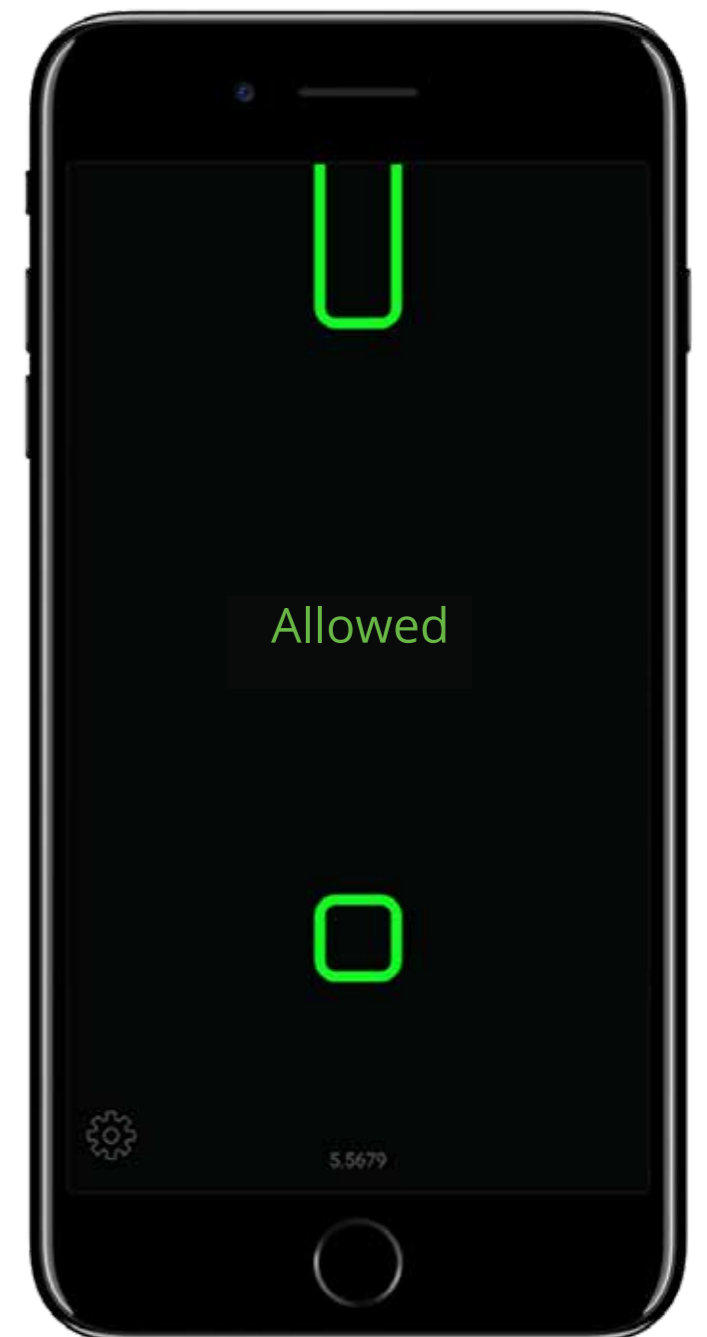


## U-Prox Key app

### Your phone is a key

Your smartphone is not only a phone, but also a universal mini-computer, photo and videocamera, maps and navigation, mail, personal banking. And now also very convenient and universal means of access - electronic key

- All time with you with you
- It is convenient to use it absolutely everywhere: from parking to the hotel
- Identification and access to the contents of the smartphone only by fingerprint or code
- User-friendly and simple interface
- Access to the premises without cards
- Each U-Prox ID is attached to a mobile device
- Enough memory and processing power for complex cryptographic algorithms
- Work at distances of 0.1 - 15 m
- Secure connection to the reader
- Multiple keys in one phone
- Synchronization with cloud
- Works via BLE or NFC
- Available on Apple and Android



## Where to install?

The system allows you to solve tasks related to access control management to any object: office, hotel, bank, educational institution, storehouse, factory, large enterprise.





