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SMART WAY TO OPEN DOORS



U-Prox™ IP Access Control



SMART U-PROX IP OVERVIEW

IP TECHNOLOGY IS
THE FOUNDATION
OF MODERN
COMMUNICATION,
CONNECTING THE
WORLD TOGETHER.

Smart “U-Prox IP” is a new dimension of intelligence, in a professional IP access control system, which meets the requirements of a wide range of users - from small office to distributed enterprise systems. Access panel configuration is uploaded from the server, runs offline, and is not dependent on communication with a computer.

All events are sent over the Ethernet or Wi-Fi to an ACS server in notification mode. If there is no connection with the server, the control panel will keep 65000 events in memory and upload the server with an event journal on reconnection.

The Management Software

Based on the client/server model. The software supports Windows XP SP3, Windows Vista, Windows 7, Windows 8, Windows 2003 Server, Windows 2008 Server and Windows 2012. The server also works with MS SQL Server 2008 (compatibility up to MS SQL Server 2000). Additional modules further extend the capabilities of the system. For example, the video module matches events with video on DVR and supports up to 10 remote client workplaces. Works with IP/WiFi-ready control panels over LAN and WAN.

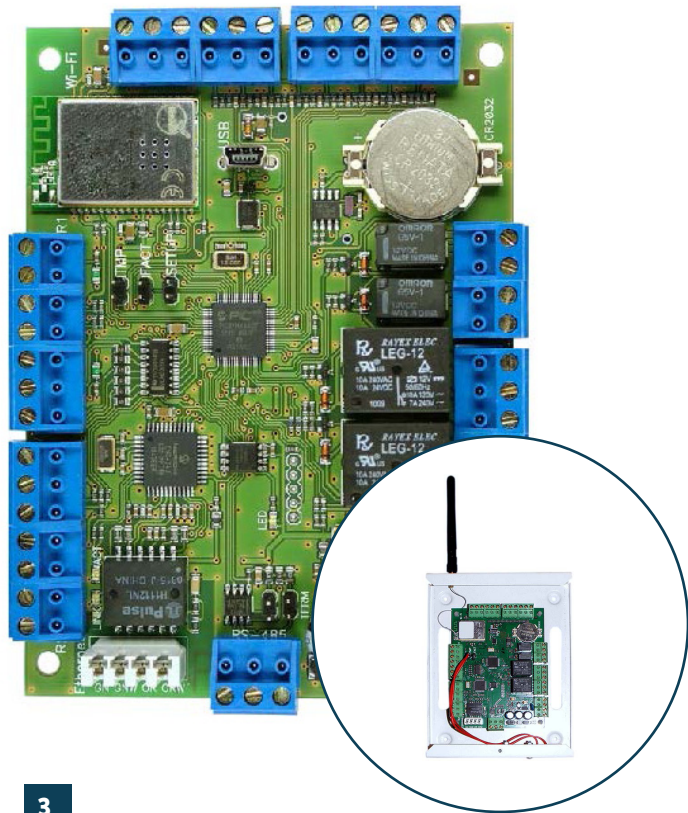
U-PROX IP100

A new generation of access control panel, fully intelligent, modern looking with extremely slim design and many features in a small size form:



- IP ready: Wi-Fi 802.11b, Ethernet 100Mbit (4 wire)
- Built-in keypad and RF ID reader: ASK+FSK
- Read range: up to 60mm
- Input for additional external reader
- 35000 events, 250 time zones, 250 weekly schedules, 250 holidays (and floating shifts)
- 32000 tags for employees and 1000 tags for visitors
- Door contact and request-to-exit
- Relay (C NO NC) 24Volt, 1Amp
- USB for initial network settings
- Easy to install
- Dimensions (mm): 119.4 x 65.4 x 20.4
- Weight: 240 g

U-PROX F18 IP



A new generation of access control panel.
Fully Intelligent access control panel with modern communication:

- IP ready: Wi-Fi 802.11b (Open, WPA-PSK, WPA2-PSK)
Ethernet 100Mbit (4 wire)
- Two Wiegand RF ID reader ports
- 32000 tags for employees and 1000 tags for visitors
- 35000 events, 250 time zones, 250 weekly schedules, 250 holidays (and floating shifts)
- 8 end-of-line supervised inputs
- 2 relays (C NO NC) 24Volt, 5Amp
- 2 relays (C NO) 24Volt, 1Amp
- USB for initial network settings
- Metal box
- Dimensions: 192 mm x 140 mm x 40.5 mm
- Weight: 0.7 kg

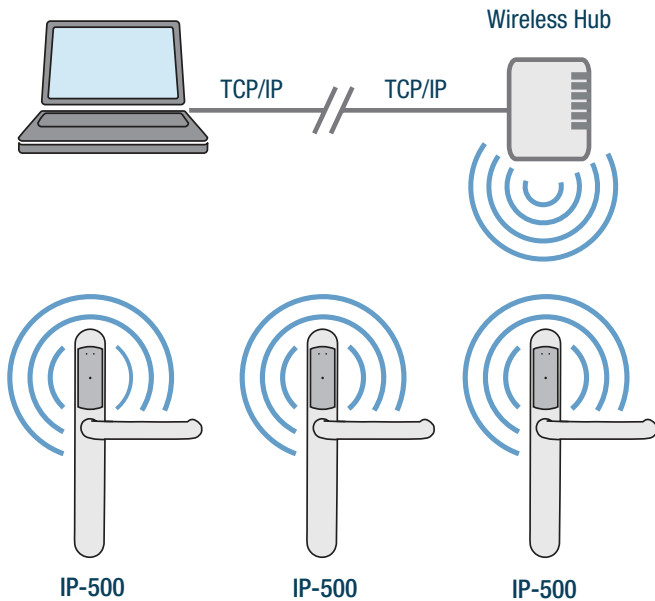
U-PROX IP500

U-Prox IP500 is a battery powered intelligent controller, reader and handle locking mechanism that is incorporated in escutcheons.

- The new generation of wireless access control
- Completely integrated with the U-Prox family controllers platform
- Easy retrofitted to existing door locks
- Frequency bands: 915.5-927.5 MHz
- Wireless range with hub: up to 30m
- Proximity reader Range: up to 40mm
- Stand alone memory of 3000 tags
- Power supply - 3 AAA batteries
- Batteries life: 30 000 opening, up to 2 years



U-PROX IP500 SCHEME



U-Prox IP500 uses bidirectional encrypted radio frequency communications with TCP/IP hubs transceivers and management software allows to: monitor events in real time, remotely open/close the door and automatically update access privileges. U-Prox IP500 can be easy retrofitted to existing doors to modify almost any lock to electronic in just 10 minutes.

The U-Prox IP500 wireless system is completely integrated with the U-Prox family controllers platform making it easy to customise installations needs. In case of possible network problem U-Prox IP500 switches itself into a stand-alone mode, follows all pre programed scheduled management and takes the decision to grant or deny access, based on the users rights.

U-PROX IP MOBILE APPLICATIONS

Mobile applications is the easiest and convenient way to control and supervise your ACS in any point of the globe. Mobile applications provide the most demand system functions depending on the user system access rights.



- **Personal organizer** - time attendance self service terminal
- **Access points control** - remote door opening, blocking or unblocking
- **Alerts** - alarm event viewing
- **Headquarters' quick reports** - reports for late, absent or present employees
- **Request office** - request arrangement for granting access rights for new employees and attendants
- **Personnel access control** - quick ID blocking

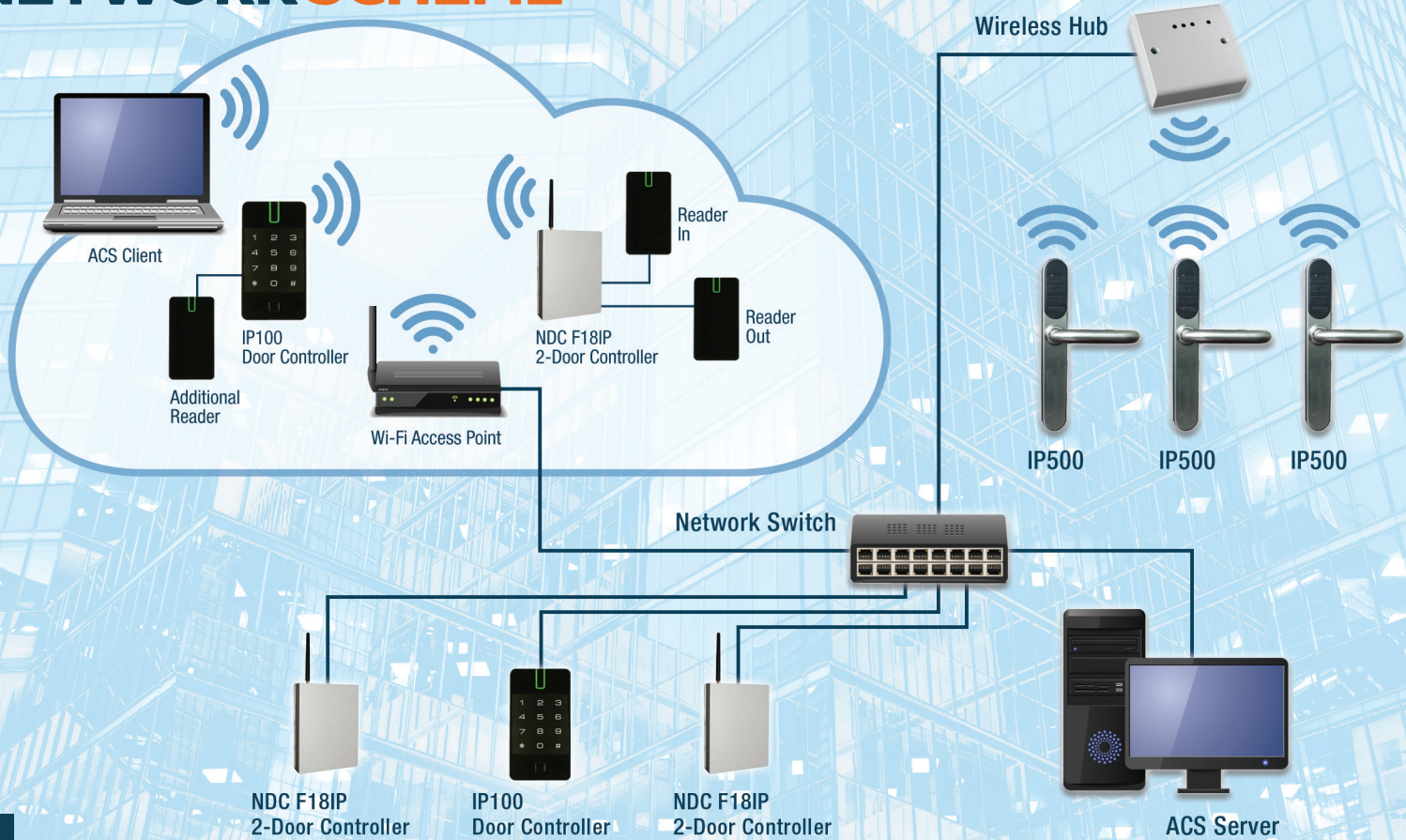
U-PROX IP VSS AND IP CAMERA

Advantages of Access control and Video surveillance integration:



- Works with professional cameras
- Live video verification from access and entry points
- Live video from alarm emergency events
- Record video with time marker
- Allows access to video archive from the local network
- Retrieves video associated with events
- Displays window, containing information about current event, including video from a camera and photo of a card user
- Archives and synchronizes video sequences from DVR with access event
- Video and still picture export

NETWORK SCHEME



WI-FI AND ETHERNET



U-Prox access control panel with embedded Wi-Fi and Ethernet chips

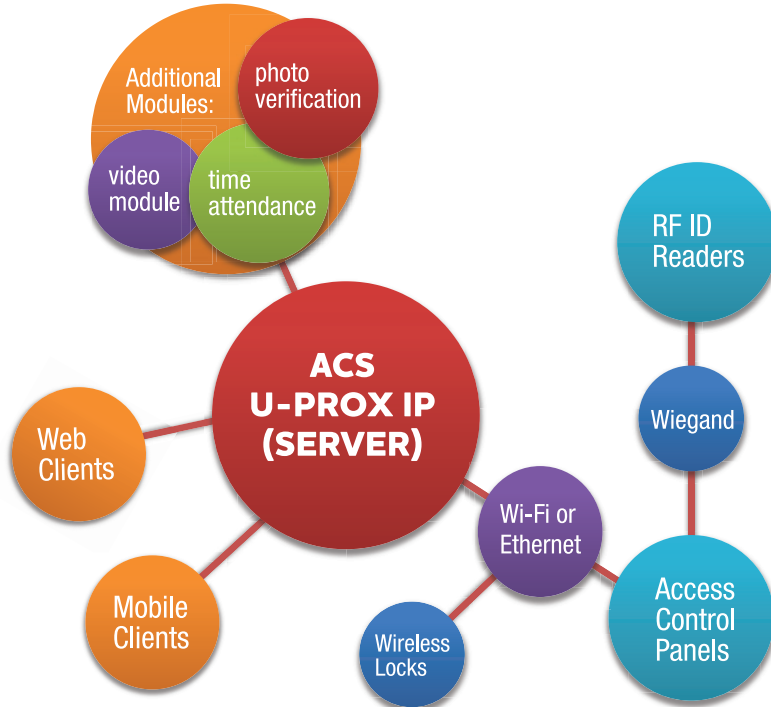
Wi-Fi

- IEEE 802.11b compatible
- Supports “Infrastructure” and “Ad-Hoc” mode
- Open, WPA-PSK, WPA2-PSK encryption for infrastructure mode
- Open, WEP encryption for Ad-Hoc mode
- DHCP and DNS support

Ethernet

- IEEE 802.3 compatible
- 100 Mbit
- 4 wire cable connection
- DHCP and DNS support

NETWORK ARCHITECTURE



U-Prox access control panels are designed for use in any computer network, both Ethernet & wireless.

Its design provides secure and reliable connections in local and internet networks, allowing creation of a distributed wireless or wired access control system.

Control panel works in notification mode, sending periodic test events to ACS server to control communication.

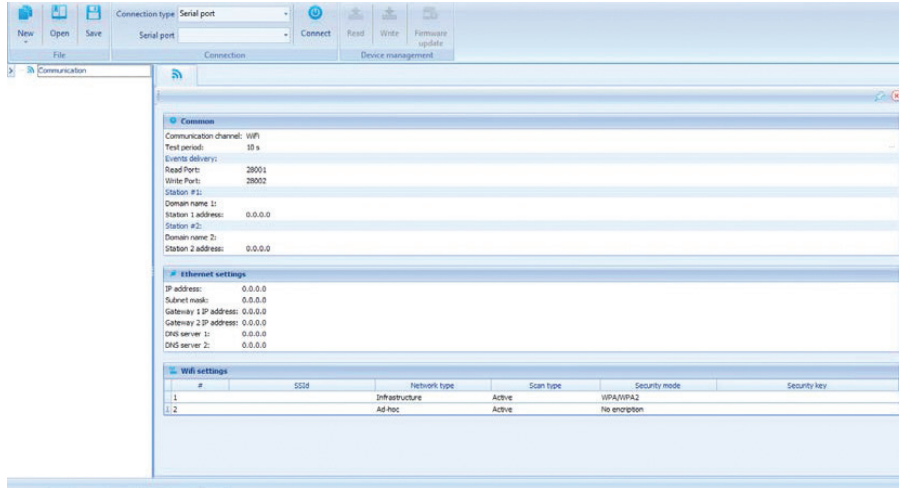
Advanced connection backup mode for both wired and also for wireless networks.

Advanced IP security: MIM attack (Man in the Middle) and hacking resistance.

Easy to configure properties of connection through USB port.

CONFIGURATION

Uniform configuration software ESS hardware tools. Used to configure IP access control panels. This software intended to be used for initial configuration of network settings.

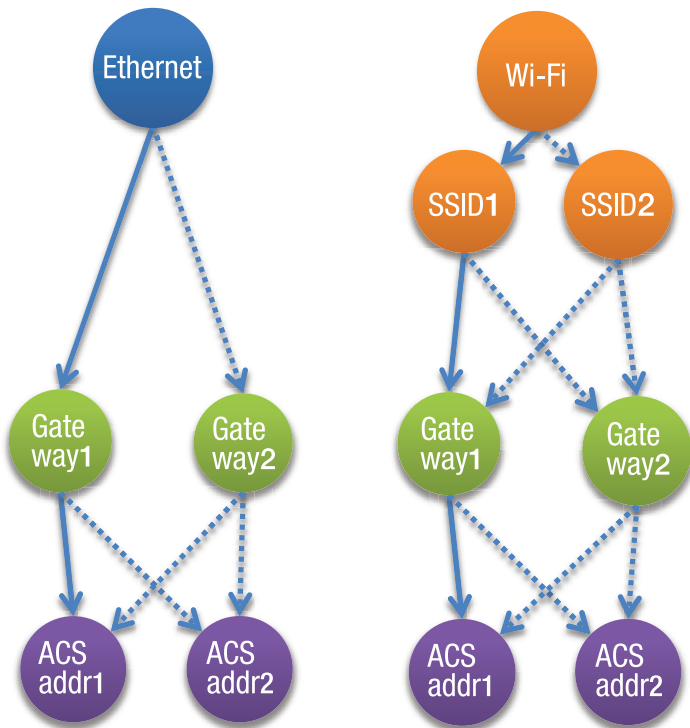


- Simple interface
- Reading and writing settings
- Using the settings template file
- Sets the operating mode of the control panel - Wi-Fi or Ethernet
- Sets the ACS server addresses
- Sets parameters to connect to Wi-Fi access points
- Configures Ethernet settings - IP address, subnet mask, gateways, etc.

CONNECTION BACKUP

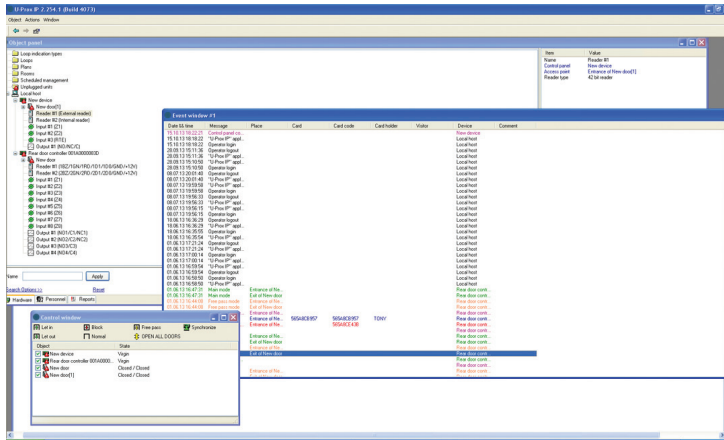
U-Prox access control panels support advanced connection backup:

- Uses IP or DNS address of the ACS server
- 2 addresses of the server
- 2 addresses of internet gateway
- In Wi-Fi mode - up to 2 SSID



CLASSIC INTERFACE

U-Prox software has a classic interface and should be intuitive for any user familiar with Windows' operating system. It's a powerful real time management tool for creation of Users, Doors, Cards, Schedules and Reports.



It includes additional modules:

- **MW-Time:** Module of time attendance – calculating employers working time
- **M-Badge:** Module which allows creation and printing of badges
- **M-Video:** Module enables association of any ACS event with a video sequence recorded on DVR video server
- **M-Verif Photo:** This module allows a real time display of a user photo on a card event
- **M-Plan:** Displays events on the graphic site map
- **M-Print Control:** Module to control access to the printer
- **M-Com Server:** Module for developers, designed to integrate software U-Prox IP and other applications

PROXIMITY READERS

A range of Smart proximity wall readers are available for use with U-Prox IP. This includes ASK, FSK readers as well as ISO14443-2 standard readers.

