PROCONTROL®

Proxer 65 terminal

Wall-mounted Access Control, and Worktime and Attendance Terminal

Version 4.1
11 May 2017

Proximity card reader terminal with door opener function for access control

Proxer 65 is a wall-mounted access control and worktime/ attendance terminal with smooth lines and clear design. It reads RFID proximity transponders, like cards, bracelets, key fobs and tags, checks access rights and controls door.

It means a complete worktime and attendance solution as an only hardware integrated into access control and worktime systems.

The **Proxer65** terminal is not only appealing to the eye, but also has user-friendly operation and an interface, which can modified according to user needs.

The **Proxer 65** has built-in RFID proximity reader, high-quality coloured touchscreen, illuminating keyboard, icons in distinct colours and sounder. Its RFID reader can be programmed to read almost all card types, be it 125kHz or 13,56 MHz.. The Proxer 64 terminal can be directly connected to PC or TCP/IP network via Ethernet 10/100 Mb, IEEE PoE interface, RS485 or USB interface.

The event logs are stored in the terminals non-volatile memory up to 20.000 movement data and 5120 rights, and can be queried by the remote PC at arbitrary frequency.

Only person with entitled card may open the door. They hold their card to the terminal, the LED turns green, the sounder beeps, the lock opens and the system logs the movement data. (The sounder may be turned off.)

A door can also be opened with a **Proxer 8** auxiliary reader from the outside or by tapping the „OUT" button or giving the reason of leaving, or, in case no attendance function is needed, by door handle.

The electromagnetic lock and the door opening sensor are connected to the **Proxer 65** terminal. The terminal is suitable for controlling surveillance cameras, camera systems recording the access attempts. Hydraulic door closers and other accessories are available optionally.

Registering cards, assigning and revoking them, making query for the logs, printing them, preparing the monthly papers happens with the Procontrol's ProxerNet Building Management software Access and Worktime modules. The software modules are compatible with the complete Proxer family and other Building Management System elements. The software modules can handle foreign RFID readers too.

The Association of the Hungarian Insurance Companies (MAIBSZ) recommends for acceptance to its member companies the intrusion prevention tools of Procontrol: the ProxerNet Building Management System, the Proxer card readers and terminals, the Workstar access control and worktime terminal family, and the ProxerGate and ProxerPort access gate families.

Services

- RFID card reader for the given card type (“Allreader”)
- High accuracy current time, hour:minute or hour:minute:second display
- Colour display for welcome messages and information
- Numeric touch-push buttons, using PIN for identification is an option
- Programmable sounds and signals

Structure

The housing is a 126 x 200 x 24 mm sized black ABS case with brushed steel plate and black safety glass sheet in clear design. Behind the glass sheet, there is a graphic, coloured display with 77.000 points and 22 capacitive buttons in blue light. Under the numeric board, the card reader is placed.

The functions of the buttons are shown on the display.

Types

- According to RFID standard
  - **LF** (low frequency, 125/134kHz) types (e.g. eMarine, HID ProxCard II, Indala, Indala Kantech, TI RFID (Tiris), HITAG 2)
  - **HF** (high frequency, 13.56MHz) types (e.g. Mifare, Texas Instruments, HID iClass, Legic Advant)
  - **FF** (full frequency) reading LF and HF transponders too
- According to interface and output
  - Ethernet
  - Wi-Fi
  - RS485
  - Wiegand (Proxer64 HF-W Wiegand)

Auxiliary reader (for the other side of the gate or door)

- Proxer8

Properties

- Ethernet and PoE (at Ethernet type)
- Po 485 x2 (at R485 type)
- Door-opening sensor, door opener button
- Door relay

- Colour, graphic display, 77000 points
- 22 capacitive buttons with blue light
- Title classification displayed
- Built-in RFID proximity reader
- Size: 126 x 200 x 24 mm
- Queries, lists can be prepared
- Texts, titles, algorithms are programmable

Options

- Bluetooth interface
- Monochrome display (wireless option)
- Proximity sensor (wireless option)
- Outdoor design, IP65 standard

Implementation and mounting

Backboard can be screwed to wall with standard bores. Cables can be connected with 12 pcs 3,81mm terminal assemblies.

The **Proxer 65** terminal can operate in stand-alone mode, or be connected to IT system (Ethernet 10/100 Mb network or RS485 network). The Cat5 cables connect with two RJ45 plugs. The RS485 bus can be strung.

In indoor design, the terminal is without gasket; cover is snapped on it, fixed with torx screw from below. At optional outdoor design, the terminal hass IP65 protection with silicone gasket.

Software

ProxerNet software covers a wide range of building automatization and management functions via its modules. An access control system built and based on ProxerNet may easily be expanded with further hardware and software elements.

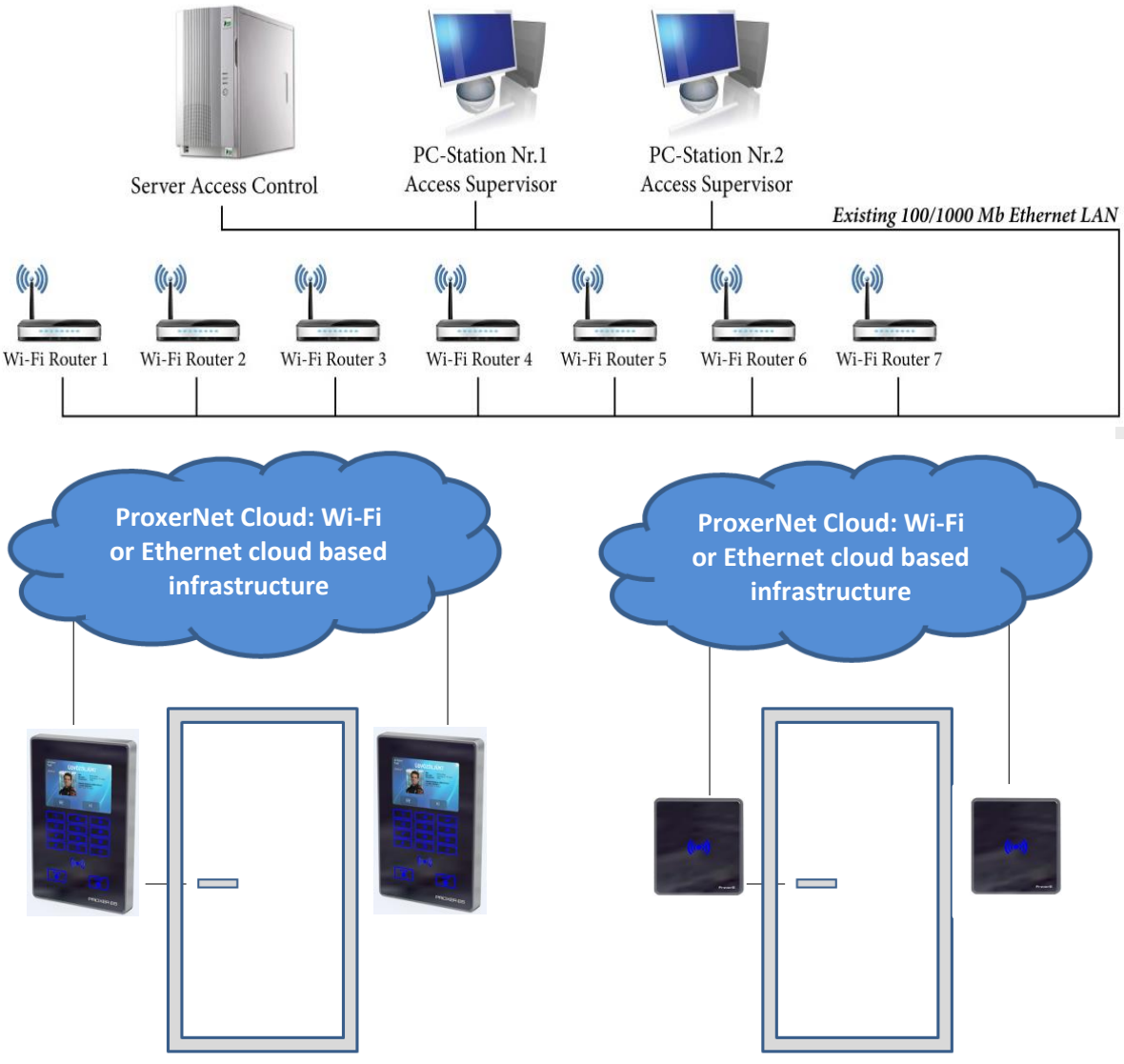
The following modules can be combined or used separately:

- Access Control, Visitor Management
- Time and Attendance
- Parking Lot Management and Pay Parking
- Key and Value Storage
- Smart Building Automation Systems (BAS), HVAC control
- Wellness Control
- Cabinet Lock Management
- Queue Management and Ticketing
- Real Time Location System (RTLS) – person and object

tracking
- Conference Control
- Production Management

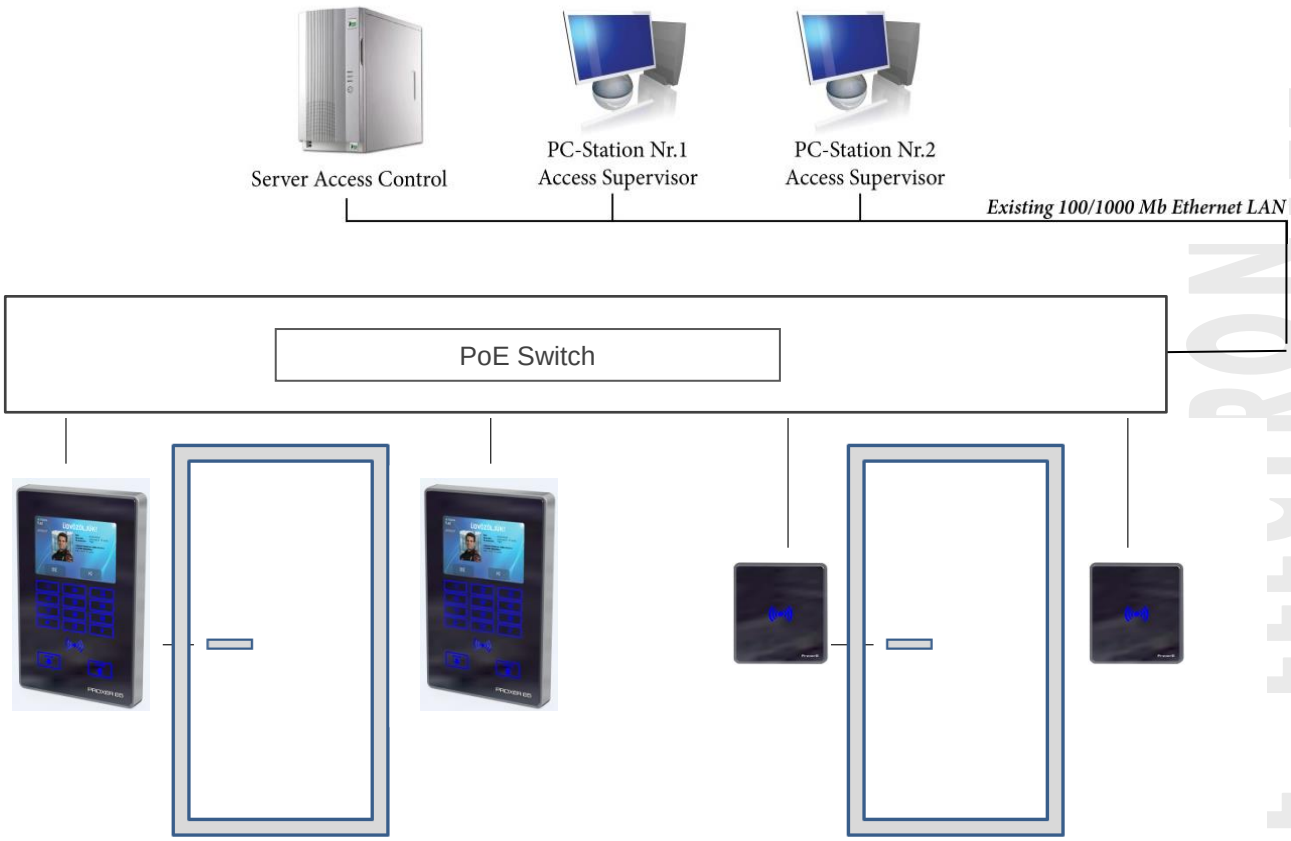
System structures

A) version: Wi-Fi structure (e.g. in already existing Wi-Fi network, or Wi-Fi network to be configured for another purpose)



B) version: Ethernet (10/100 Mb LAN) network

In the Ethernet network, using PoE switches, the power supply is granted via Cat5 cables.



C) version: RS485 system: If there is no existing IT network, the terminals can be connected with RS485 network, and then connected with RS485/ Ethernet converter to a Host computer with running ProxerNet software.