

# EL1375

## Access Control System

Your Pathway to The Whole New Experience!



# EL1375 | Access Control System

EL1375 is a 2-door 2-reader controller, it replaces the EL1370 and has a top face plate that gives protection to the electronics. Connectors and jumper settings are clearly labelled on the face plate. It has the same footprint as EL1335 (one of ELID's best selling controllers) and provides enhanced features as follows:-

- 1-door controller with entry and exit reader, or 2-door controller with entry readers and exit push-button
- Features a 16-bit dual core MCU whose reliability is such that it is widely used in the automotive industry
- Features a 512KB SRAM memory to offer larger card user database and larger transaction log storage
- Provides advanced features such as dual card entry, and programmable event-triggered outputs
- Features Flash as program storage. This allows in-circuit firmware upgrade via PC on-site, without the need for physical replacement of any memory chips.

## Features

### Removable Programming Keypad

EK13 hand-held programming keypad can be connected to perform initial setup of EL1375 controller. Programming steps are similar to EL230X to reduce learning time.

### Large Database

Depending on the setting, EL1375 can store up to 20,000 user ID card numbers and up to 20,000 transactions. The transaction can be retrieved via PC or directly printed out to a printer.

### Multiple Modes of Operation

EL1375 can operate in PIN mode, CARD mode, or CARD+PIN mode. All modes of operation are subjected to time zone constraints. 10 time zones are provided, and each time zone has an 8-day schedule (7 weekdays + 1 holiday) with 2 start-stop periods per day. Up to 20 holidays can be pre-programmed into the controller, and a separate access routine set for holidays. Doors can be programmed to be unlocked automatically by timers. Changing from CARD to CARD+PIN mode can also be automatically activated by timers.

### Wide Range of Readers

EL1375 is designed to work with various types of standard readers. This includes EM proximity, HID proximity and Mifare smart card readers. For Wiegand reader, users can select 4 different formats, which are:-

- 26-bit standard format
- ELID format
- User-defined format
- HID Corporate 2000 format

### Interactive Reader-Keypad Display

EL1375 is designed to work specifically with ELID's serial readers which are equipped with serial keypad with 7-segment display, or touch sense keypad with GLCD display. The display is to improve feedback to users. For example, if the controller is waiting for PIN to be entered, the display will show "PIN". If a card is rejected, because of wrong time zone, the display will show E-CA (Error-Category). If a card is rejected because of anti-passback, it will show E-AP (Error-Anti-Passback). LCD version of the keypad-reader will display English or Chinese text in full.



## Dual Card

For secure applications, cards can be assigned to 2 separate groups, and access is only granted when 2 cards from different groups are successively swiped.

## Special Card

Apart from normal user ID cards, it also distinguishes Special Cards, which can perform alarm arming/disarming functions, and activation/deactivation of outputs. EL1375 recognizes 22 different types of activities (such as 'valid entry', 'door forced open', 'wrong PIN' etc). It records each transaction with date, time, and card number.

## Versatile Inputs and Outputs

EL1375 offers 2 sensor inputs and 6 outputs. The inputs may be used for monitoring status or alarm signals. The outputs can be timer controlled or event controlled. In the timer mode, it is activated by an 8-day time zone. In the event-controlled mode, the user can select what event or combination of events can activate an output. Any of the 22 events recognized by EL1375 can be used to set the formula. An optional EA8 board provides optically isolated inputs and 6 relay outputs.

## Flexible Networking

EL1375 is equipped with Multi-drop, RS485 and LAN. For Multi-drop and RS485 mode, up to 16 units can be connected together to form one bus. Address setting in each controller is then used to distinguish one controller from another. If LAN is used, the controller is distinguished by its IP address plus its unit address.

## Compatible Software Programs

Access Management software such as E.WIN and WinPro can work seamlessly with EL1375 and other controllers like EL363, EL1335 and EL230X.

E.WIN is a powerful software that allows control of up to 128 controllers.

WinPro is designed based on client-server architecture, and controls up to 1,024 controllers.

Both can directly communicate with EL1375 over WAN.

## Ordering Information

### Controller

- EL-1375-001  
1-Door/2-Reader or 2-Door/2-Reader Controller

### Accessories

- ER-0013-B03  
EK13 Programming keypad
- EP-0023-001  
Power supply 12V/2.5A
- EA-0079-002  
TCP/IP LAN Module
- EA-0008-001  
EA8 I/O Relay
- CS-1127X  
Metal Casing

### Compatible Readers and Keypads

- ER-0009-X01  
Keypad with 7-segment display
- ER-0009-RX1  
EM proximity reader with serial keypad and 7-Segment display
- ER-0848-SE1  
EM proximity reader with touch sense keypad and GLCD display
- ER-0848-SM1  
Mifare smart card reader with touch sense keypad and GLCD display
- ER-0923-X06/ ER-0823-G06  
EM proximity reader
- ER-0928-X07/ ER-0828-B01  
Mifare smart card reader
- ER-0923-0MX  
HID proximity reader
- ER-0301-X01  
Fingerprint reader

## Technical Specifications

### CPU

- 16-bit Dual Core MCU running at 80 Mhz

### Power Consumption

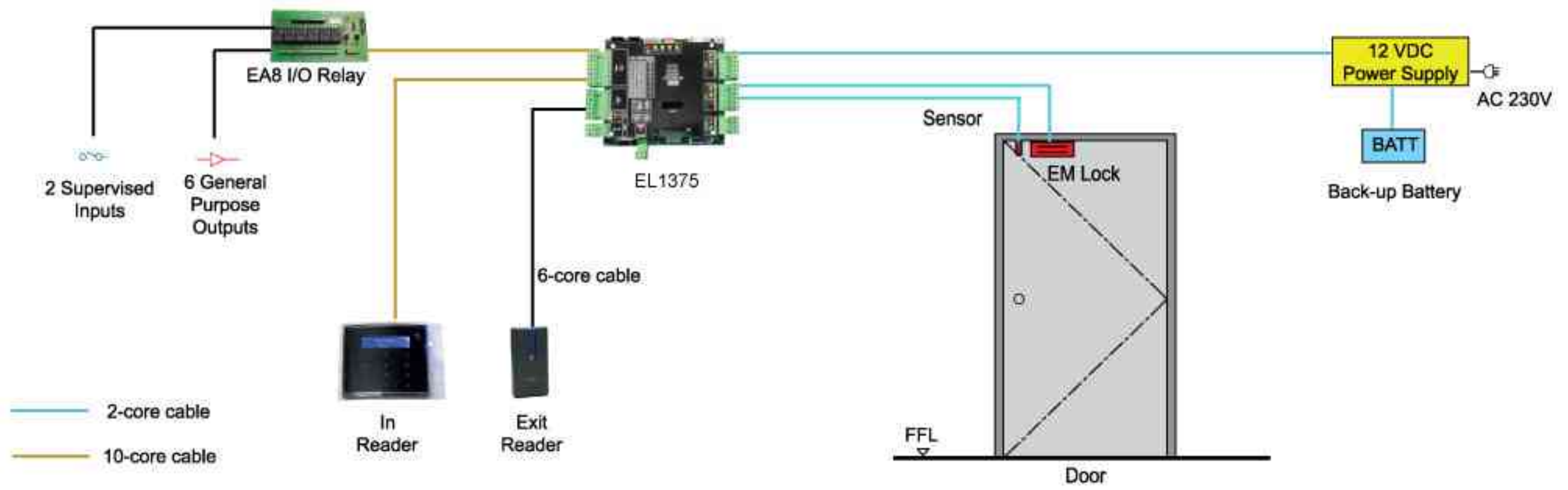
- 12V/40 mA excluding readers/keypad

### Dimensions

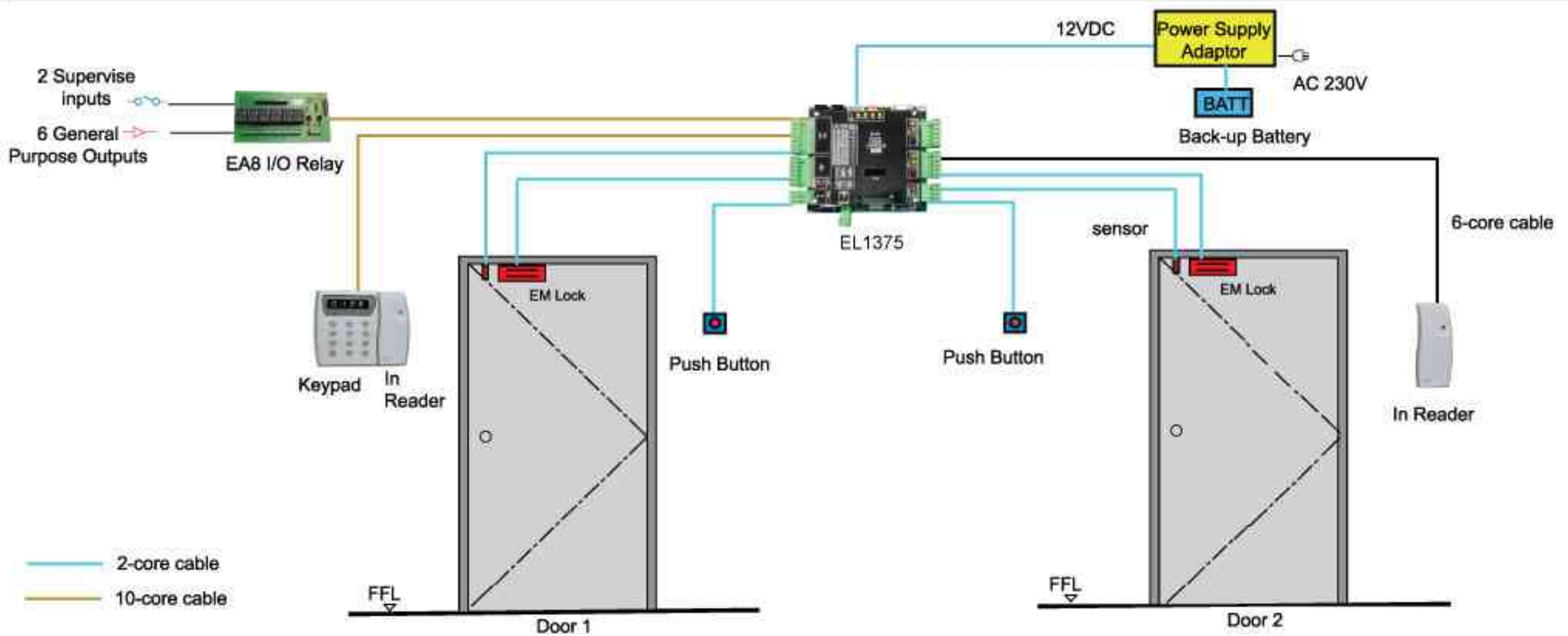
- 120mm(H) x 140mm(W)



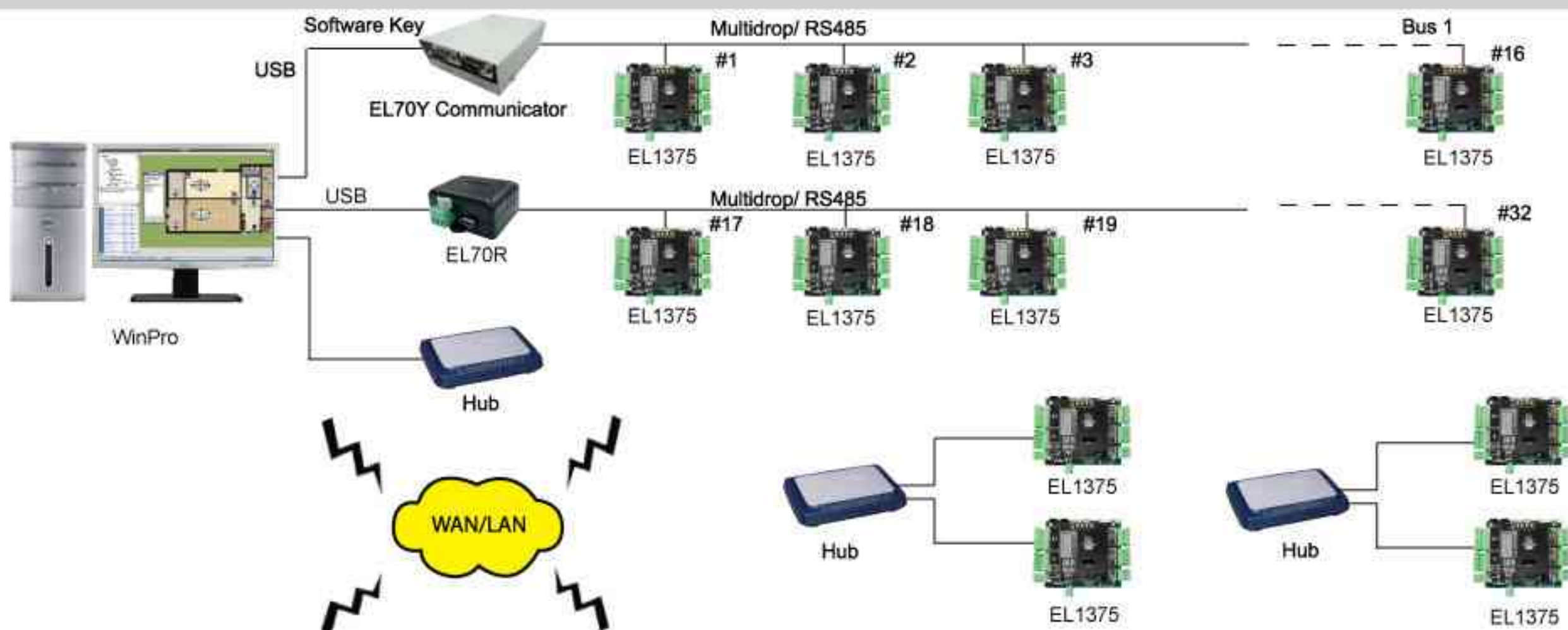
## EL1375 Single-door Access Control System



## EL1375 Two-door Access Control System



## System Configuration



Maximum up to 16 units of EL1375 (single-door) per bus (1KM)



For more information: Check out the website at [www.elid.com](http://www.elid.com), or contact our dealers. ELID has a policy of continuous research and development, and reserves the right to change specifications without notice.

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