



## 2N® Access Unit

The revolutionary 2N® Access Unit, is based purely on IP technology and combines an RFID card reader and door controller in one box solution. Captivating by its representative design and simplicity at first glance. Of course there is also the possibility of linking with 2N IP intercoms, giving you a comprehensive Access Control solution.



Office buildings  
Residential complexes  
Hospitals  
Educational establishments  
Business centres

Hotels and accommodation  
State administration public  
buildings  
Other staff premises

### Access control

Prevent the entry of unauthorized persons to the building using 2N® Access Unit. Achieve a greater level of security for all the people on site by it.

### Reader and controller in 1

Reduce the costs associated with installation an Access System thanks to the 2N® Access Unit. You get an RFID card reader, a door controller and IP converter in one device.

### Trouble-free installation

The Access Control unit can easily be set up and running without any installation experience, and without having to go through intensive training or to pour over cryptic manuals.

# 2N® Access Unit

## FEATURES & BENEFITS

### Opening the door by phone

2N® Access Unit will allow you to open the door not only using an RFID card or key fob, but also using an NFC-enabled smart-phone..

### Administration via Web interface

The Access Control unit simply plugs into your LAN network and, subsequently, can be easily set-up via a web interface.

### Protection against intrusion

The 2N® Access Unit can be augmented with a door-open sensor and a security relay. You will thus prevent unauthorized intrusion and tampering with the lock.

### Expansion with additional modules

The access control unit can be augmented with additional expansion modules (e.g. keyboard, wiegand, etc.), which you'll appreciate in more complicated installations.

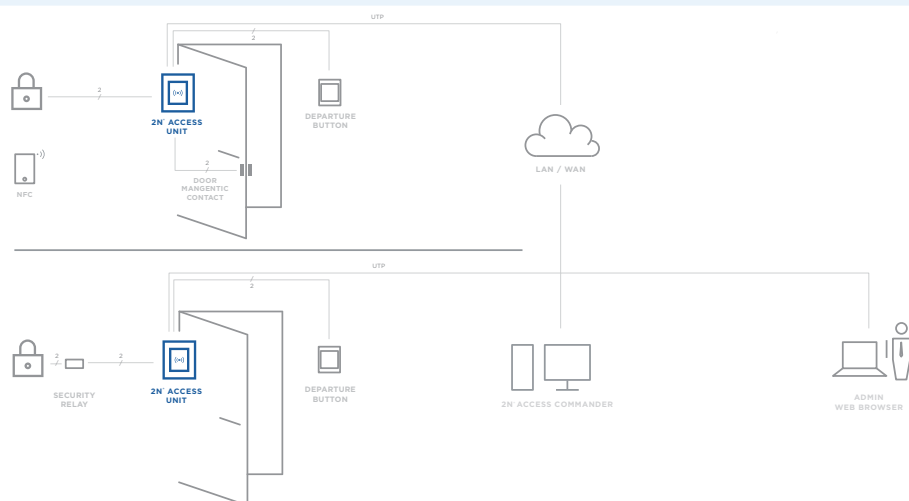
### Warning on use of invalid card

If anyone tries to enter the site using an invalid card, the 2N® Access Unit immediately alerts the administrator about the card's ID number.

### Indoor and outdoor use

You can install the Access Control unit thanks to its mechanical properties not only inside the building, but also in an outdoor environment.

## DIAGRAM



## TECHNICAL PARAMETERS

### Audio

Speaker 0.8 W / 8 Ω

### Interfaces

Power supply 12V ±15% / 2A DC or PoE  
 PoE per standard 802.3af (Class 0 - 12.95W)  
 LAN 10/100BASE-TX with Auto-MDIX, RJ-45, terminal block or pigtail RJ-45  
 Recommended wiring Cat5e or better  
 Passive switch NC/NO contacts, max 30 V 1 A AC/DC  
 Active switch output 8 to 12 V DC / max 400 mA  
 Inputs 3 inputs - can be used in passive or active mode (-30 V to + 30 V DC)

### RFID card reader

Frequency 13.56MHz & 125kHz  
 Supported 13.56 MHz cards (only the serial number of the card is read)  
 ISO14443A Mifare Classic 1k & 4k, DESFire EV1, Mini, Plus S&X, SmartMX, Ultralight, Ultralight C, SLE44R35, my-d move (SLE66Rxx), PayPass, Legic Advant  
 ISO14443B Calypso, CEPAS, Moneo, SRI512, SRT512, SRI4K, SRIX4K, PicoPass, HID iCLASS  
 Supported NFC devices Smart-phones with NFC and support for HCE (Host Card Emulation), Android version 4.3 and above  
 Supported 125 kHz cards EM4100, EM4102, HID Prox

### Mechanical properties

Cover Rugged zinc die-cast with surface finish  
 Storage temperature from -40°C to 60°C  
 Operating relative humidity 10%-95% (non-condensing)  
 Storage temperature from -40°C to 70°C  
 Coverage level IP54  
 Weight Max net weight: 2 kg / max gross weight: 0.5 kg (depends on configuration)

### Dimensions

Frame for surface mounting  
 1 module 107 (w) x 130 (h) x 28 (d) mm  
 2 modules 107 (w) x 234 (h) x 28 (d) mm (when expansion module used)  
 Frame for in-wall mounting  
 1 module 130 (w) x 153 (h) x 5 (d) mm  
 2 modules 130 (w) x 257 (h) x 5 (d) mm (when expansion module used)  
 Case for in-wall mounting (minimum size of hole in wall)  
 1 module 108 (w) x 131 (h) x 45 (d) mm  
 2 modules 108 (w) x 238 (h) x 45 (d) mm (when expansion module used)

### Expansion modules

Modules supported are from the 2N® Helios IP Verso intercom: RFID reader card (125kHz; 13.56 MHz), keyboard, I/O module, Wiegand, etc.

## SOFTWARE

**2N® Access Commander** - software to manage 2N IP intercoms and access units

**2N® Mobile Key** - software to manage 2N IP intercoms and access units

**2N® Network Scanner** - application for detecting 2N IP intercoms and access control units on the network