



# 2N® Access Unit

Simple to install access control system



## Control the movement of people in your building

In offices and other publically accessible buildings, there is a large number of people moving around every day - employees, customers and visitors. Certain security risks are associated with their movement around the building, and so it is necessary to monitor their movement and if necessary restrict their access to certain parts of the building. If you are considering how to gain easy control over the movement of people in your building, one solution may be the simple 2N® Access Unit access system.

The 2N® Access Unit is a reliable access control system utilising IP technology and consisting of an autonomous IP RFID card reader, which also supports NFC technology, embedded with a controller in a single compact device. You can easily install the device on a wall, connect it to a LAN network and configure it easily via a web interface. The system can be powered via PoE, and if necessary, you can easily connect other devices to it, for example a departure button or open door detector. You can also connect a camera system and so gain a complete security solution. The 2N® Access Unit offers a great price to performance ratio and is the ideal solution for small and medium firms.



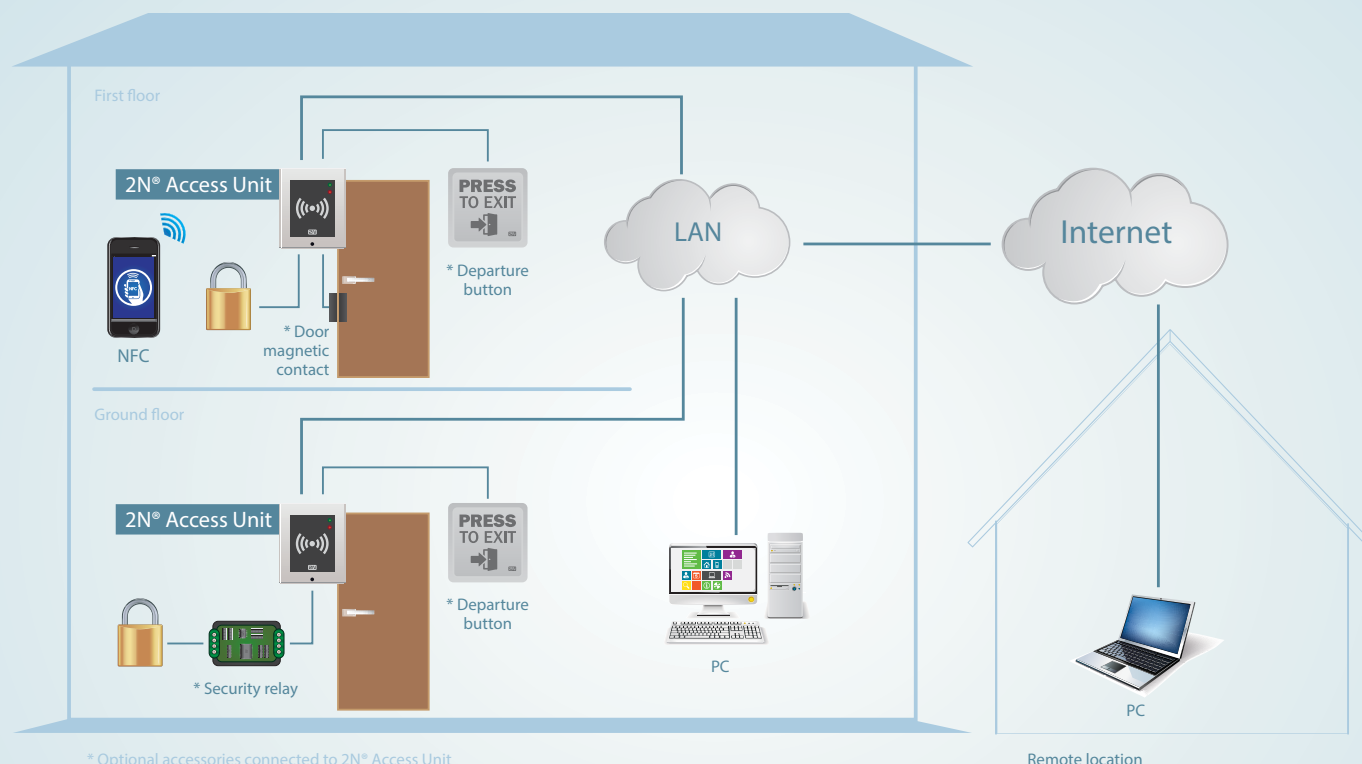
### Use:

- Office buildings
- Residential complexes
- Shopping centres
  - areas for personnel
- Hotels and accommodation facilities
- Public administration buildings
- Hospitals
- Educational institutions

### Why choose the 2N® Access Unit?

- A simple IP device – just a reader with relevant software
- Ability to open doors using a smartphone supporting NFC and HCE
- Simple installation without the need for expert knowledge
- High level of security
- Representative design
- Excellent price to performance ratio
- Simple and comfortable operation for regular personnel
- Option to easily connect other equipment, such as a camera system

## Example of connection



## Technical parameters

### Audio

Speaker 0.8 W / 8 Ω

### Interface

Power 12 V ±15% / 2 A DC (3 A if there is a larger number of modules) and/or PoE

PoE PoE 802.3af (Class 0 - 12.95W)

LAN 10/100BASE-TX s Auto-MDIX, connecting block RJ-45 pigtail

Recommended cabling Cat-5e or better

Supported protocols DHCP opt. 66, SMTP, 802.1x, TFTP, HTTP, HTTPS, Syslog

Passive switch make and break contact, max. 30 V / 1 A AC/DC

Active switch output 8 to 12 V DC according to power source (PoE: 10 V; adapter: source voltage minus 2 V), max 400 mA

Inputs Can be used in passive or active mode (-30 V to +30 V DC)  
OFF = disconnected or  $U_{in} > 1.5 V$   
ON = shorted or  $U_{in} < 1.5 V$

### RFID card reader

Frequency 13.56 MHz

#### Supported cards 13.56 MHz (only card serial number 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

### NFC reader

Supported devices smartphones with NFC and HCE support (Host Card Emulation) version Android 4.3 and higher

### Mechanical properties

Cover Robust zinc cast with surface finish

Operating temperature -40°C to 60°C

Operating relative humidity 10%-95% (non-condensing)

Storage temperature -40°C to 70°C

### Dimensions

#### Frame for fitting on surface

1 module 107 (W) x 130 (H) x 28 (D) mm

2 modules 107 (W) x 234 (H) x 28 (D) mm (if expansion module used)

3 modules 107 (W) x 339 (H) x 28 (D) mm (if expansion modules used)

#### Frame for recess fitting in wall

1 module 130 (W) x 153 (H) x 5 (D) mm

2 modules 130 (W) x 257 (H) x 5 (D) mm (if expansion module used)

3 modules 130 (W) x 361 (H) x 5 (D) mm (if expansion modules used)

#### Box for mounting in wall (dimension of minimum hole in wall)

1 module 130 (W) x 153 (H) x 5 (D) mm

2 modules 130 (W) x 257 (H) x 5 (D) mm (if expansion module used)

3 modules 130 (W) x 361 (H) x 5 (D) mm (if expansion modules used)

### Weight

Max net weight 2 kg / max gross weight: 0.5 kg – Depends on configuration

### Cover rating

IP54

### Expansion modules

Supported modules modules are supported from the 2N® Helios IP Verso intercom – RFID card reader (125kHz; 13,56MHz), keypad, five-button module, Wiegand, etc.