



## 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:

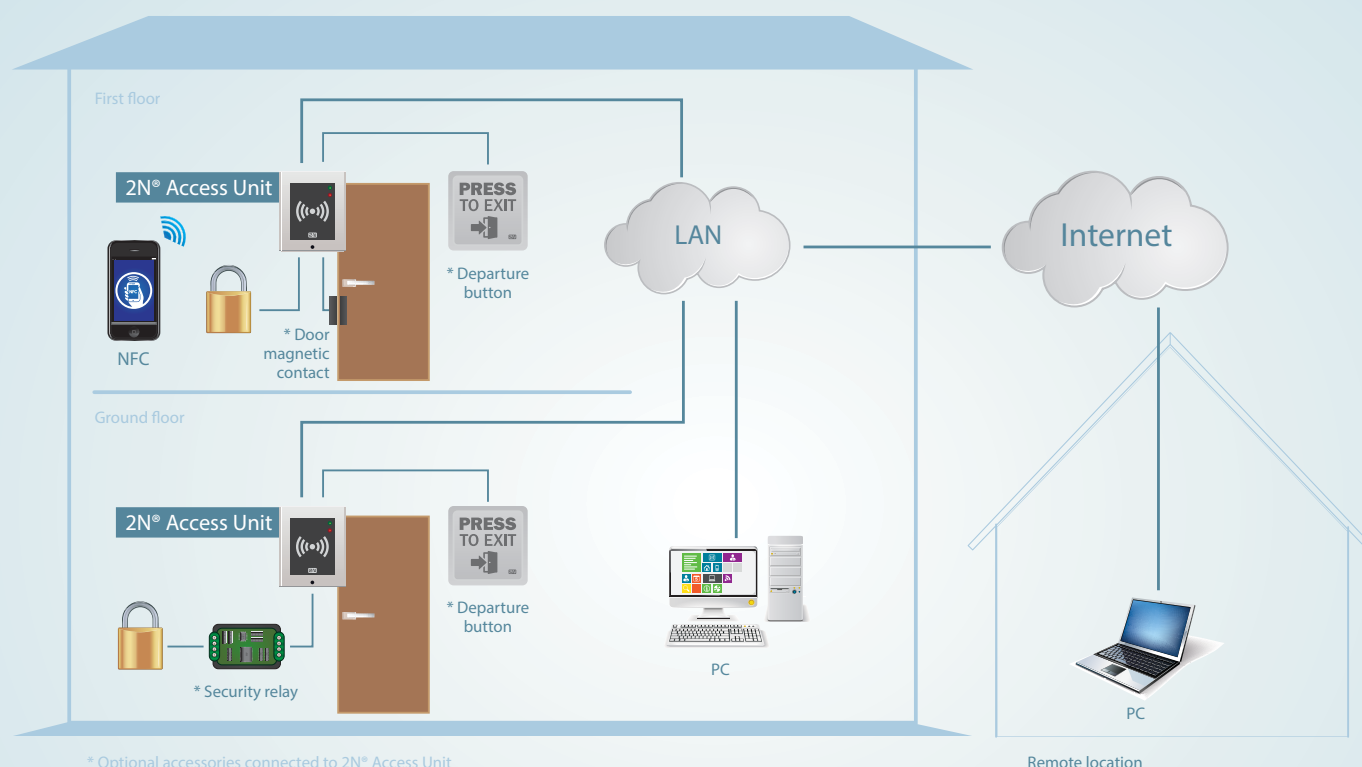
- Office buildings
- Residential complexes
- Shopping centres
  - areas for personnel
- Hotels and accommodation facilities
- Public administration buildings
- Hospitals
- Educational institutions

### 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

**cie-group**  
A better way to buy AV

## 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.
-------------------	--