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	Hotels and accommodation
Residential complexes	State administration public
Hospitals	buildings
Educational establishments	Other staff premises
Business centres	

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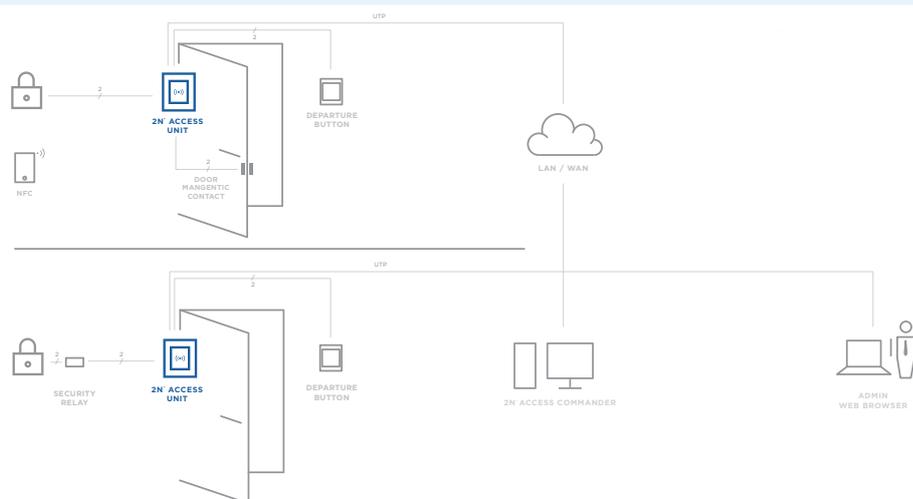
Warning on use of invalid card
If anyone tries to enter the site using an invalid card, the 2N® Access Unit immediately alerts the administrator about the card's ID number.

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