2N® Access Unit

The revolutionary 2N® Access Unit is based purely on IP technology. It combines a controller with a RFID card reader and Bluetooth technology . 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.

Bluetooth technology

The latest technology supports your access system. With Bluetooth-based access, worries over forgotten or damaged RFID cards and abused PIN codes are a thing of the past.

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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.

Adjustable levels of security for opening doors
2N® Access Unit Bluetooth adjusts as you require for multiple levels of security. You may choose, among many, double identification of a user – confirming a PIN code in the application.

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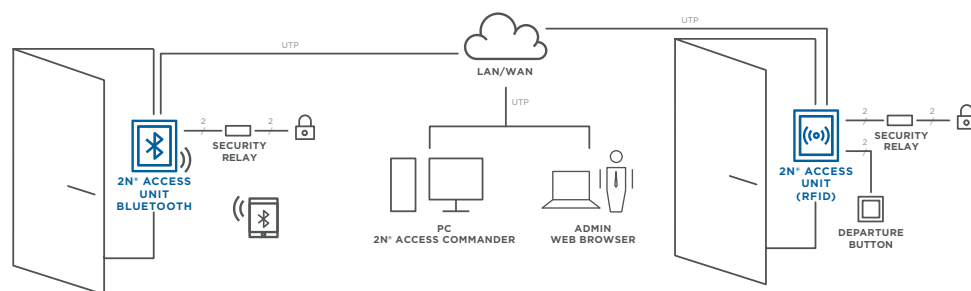
Warning on use of invalid card
If anyone tries to enter the site using an invalid card, the 2N® Access Unit immediately alerts the administrator about the card's ID number.

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.

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)

Bluetooth technology

Compatible with 4.0 Bluetooth and higher (Bluetooth Smart)

Reception sensitivity	up to -93 dBm
Range	over 10 m
Usage	20mA at 12V DC

Expansion modules

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

Mobile Application Support

Android 4.4 and higher, iOS 10

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
Operating temperature	-40°C – 60°C
Operating relative humidity	10%-95% (non-condensing)
Storage temperature	-40°C – 60°C
Coverage level	IP54

Dimensions

Frame for surface mounting	
1 module	107 (w) x 130 (h) x 28 (d) mm
Frame for in-wall mounting	
1 module	130 (w) x 153 (h) x 5 (d) mm
Case for in-wall mounting (minimum size of hole in wall)	
1 module	108 (w) x 131 (h) x 45 (d) mm
Weight	Max gross weight: 2 kg / max net weight: 0.5 kg (depending on configuration)

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