



The innovative 2N® Access Unit is based entirely on IP technology. It combines the functions of a traditional controller with the functions of the end devices of the access units. The unit is also available in a version with a keyboard, RFID card reader, finger print reader or with Bluetooth. Even at first glance, it already impresses through its sleek representative design as well as its ease of installation and configuration. Of course you can connect it to the intercom units of the 2N IP family, making it a sophisticated solution for your access control system which you can manage easily via the 2N® Access Commander.

### 2N® Access Unit RFID:

The access control unit with RFID card reader works on its own to control the access to a building. The unit supports different types of RFID cards, chips or other data carriers which operate at a frequency of 125 kHz or 13.56 MHz. The model with the 13.56 MHz reader also supports NFC technology.

### 2N® Access Unit Bluetooth:

Thanks to Bluetooth technology, you no longer have to cope with forgotten RFID cards or corrupted PIN codes. You simply open the door with your smartphone which you carry in your bag or your trouser pocket, without having to unlock it. The mobile device just has to have the App 2N® Mobile Key installed.

### 2N® Access Unit finger print reader:

This access unit is equipped with a first-class, highly reliable optical sensor with fast feedback for reading the user's fingerprint. Due to its unique design, the access unit ensures easy identification of the user and at the same time the maximum security of the area concerned.

### 2N® Access Unit keyboard:

The highly sensitive touch pad reliably detects the slightest contact and secures access to the building based on the PIN code entered.

### Highlights / Features:

- High degree of security
- Standalone operation
- PoE or external 12 V power supply
- Simple IP unit – only one reader device with the associated software
- Possibility of opening the door via smartphone (Version 13.56 MHz with NFC license upgrade + 2N® Mobile Key app.)
- Setup and administration via web browser interface or 2N® Access Commander app.
- Various mounting options (wall or flush mounting)

All specifications subject to change without notice or liability to provide changes to prior purchasers. Information and specifications published here are current as of the date of publication of this document. We reserve the right to change or modify specifications without prior notice.



<b>Technical specifications:</b>		
<b>Audio</b>		
Loudspeaker	0.8 W / 8 Ω	
<b>Interfaces</b>		
Power supply	12 V ±15% / 2 A DC or PoE	
PoE	According to Standard 802.3af (Class 0 – 12.95 W)	
LAN	10/100BASE-TX with Auto-MDIX, terminal strip or pigtail RJ-45	
Recommended wiring	Cat-5e or above	
Passive switching contact	NC/NO contacts, max. 30 V / 1 A AC/DC	
Active switch output	8-12 V DC / max. 550 mA	
Outputs	3 outputs – can be used in active or passive mode (-30 V to +30 V DC)	
<b>2N Access Unit RFID – 125 kHz or 13.56 MHz with NFC</b>		
Supported cards <b>125 kHz</b>	EM4100, EM4102, HID Prox	
Supported cards <b>13.56 MHz</b> NFC ready (Only the serial number – UID – of the card is read)	<b>ISO 14443A:</b> Mifare Classic 1k & 4k, DESFire EV1, Mini, Plus S&X, SmartMX, Ultralight, Ultralight C, SLE44R35, my-d move (SLE66Rxx), PayPass, Legic Advant <b>ISO 14443B:</b> Calypso, CEPAS, Moneo, SRI512, SRT512, SRI4K, SRIX4K, PicoPass, HID iCLASS	
Supported NFC devices	Smartphones with NFC and HCE support (Host Card Emulation) Version Android 4.3 and above	
Activation of NFC function	With paid license upgrade	
<b>2N Access Unit – Bluetooth (compatible with Bluetooth 4.0 and above (Bluetooth Smart))</b>		
Safety	RSA-1024 and AES-128 encryption	
Sensitivity of reception	Up to -93 dBm	
Range	More than 10 m (adjustable)	
Power consumption	20 mA for 12 V DC	
<b>2N Access Unit – finger print reader</b>		
Optical sensor, protected by a robust glass / algorithm for the detection of wrong finger prints / moisture and dust resistant / suppression of the surrounding light, also works in direct sunlight / status display acoustically and with multicolour LED diodes / large scanning area of 15.24 x 20.32 mm / certification: FBI PIV		
<b>2N Access Unit – keyboard</b>		
Capacitive technology / high sensitivity of the contact layer (0.1 pF) / regular automatic calibration (SmartSense) / no incorrect contact messages on moist surface / adjustable background lighting intensity / signalling of the status with multi-colour LED diodes / acoustic feedback at each push of a button		
<b>Mechanical</b>		
Cover	Robust zinc casting with surface treatment	
Operating temperature range	-40 to 60 °C / finger print reader + keypad -20 to +55 °C	
Storage temperature	-40 to 70 °C / finger print reader + keypad -20 to +60 °C	
Relative humidity	10 % - 95 % (non-condensing)	
IP rating	IP54	
<b>Dimensions</b>	<b>Frame for surface mounting*</b>	<b>Frame for flush mounting*</b>
	107 x 130 x 28 mm (W x H x D)	130 x 153 x 5 mm (W x H x D)
<b>In-wall housing* 1 module</b>	108 x 131 x 45 mm (W x H x D, mounting dimension for wall or plasterboard)	
<b>* Mounting accessories (UP housing / wall-mounting and flush-mounting frame) not included in the delivery. Must be ordered separately.</b>		
<b>Weight</b>		
	Gross weight: 0,5 kg – net weight depends on the configuration	
<b>Expansion modules</b>		
The following modules are supported by the 2N intercom 2N IP Verso: RFID card reader (125 kHz; 13.56 MHz), finger print reader, Bluetooth, keyboard, touch display, I/O module, Wiegand module, etc.		
<b>Mobile App support</b>		
	Android 4.4 and above, iOS 10.3 and above	

\* Warranty ex works, normally 24 months, fixed at order. Information is current as of the date of publication. Subject to errors and modifications. / NOTE: Internal connections refer to connections inside the unit, generally mounted across a pin-header. External connections refer to those outside the box. Once mounted, only connections described as "front accessible" can be accessed by the customer.