



- HD wide angle camera
- Full duplex
- Integrated tamper switch
- IP rating IP65

The 2N® IP Base is a compact IP door intercom system, which can be installed very easily and quickly. It has one or two bell pushbuttons and offers high audio and video quality.

Installation of the 2N® IP Base is only possible in the surface-mounted version; for mounting on uneven walls or glass and metal facades, the back plate is a mounting plate. The package contains the one- or two-button variant. It is up to you to decide which option is appropriate. The IP65 rating offers optimum protection against atmospheric influences for the 2N® IP Base. The 2N® IP Base is equipped with the LED pictograms, which provide visitors with visual feedback on the functions of call setup, conversation and door opening. The call buttons are equipped with white LED background lighting. The full duplex support with echo cancellation ensures a perfect communication.

A door opener can be connected via the relay output (NC/NO) or the active switching output. A tamper switch integrated in the housing triggers in case of unauthorised opening of the 2N® 2N IP Base housing.

As an extension to the 2N® IP Base, a 125 kHz and 13.56 MHz RFID reader is available which can be used to control the integrated switching contacts. This allows the IP Base to be used as a stand-alone RFID access control system or in networked operation with other 2N IP systems and the 2N Access Unit.

Added functionality with license upgrade is not possible

Applications:

- Offices
- Family homes
- Building automation
- Schools/universities
- Public buildings
- Logistics and transport

Features:

- Compact IP door intercom, very easy installation
- Power supply via external power supply or PoE (Power over Ethernet)
- HD wide angle camera
- Expandable with RFID readers (125 kHz and 13.56 MHz)
- Configuration via web interface or administration software
- Integrated tamper switch
- Inputs and outputs for connecting a door opener or other equipment

Technical specifications:	
Signalling protocol	SIP 2.0 (RFC-3261)
Power supply	
	External 12 V DC/2 A or PoE (Power over Ethernet)
Echo cancellation buttons	
Quick-selection buttons	Buttons backlit, LED white, name tags can be easily replaced
Number of keys	Optionally 1 or 2 buttons (package contains 2 buttons for the one- or two-button variant)
Numerical keypad	No
Audio	
	Full duplex with echo cancellation
Microphone	1 integrated microphone
Loudspeaker	2 W / 8 Ω
Acoustic pressure	78 dB (for 1 kHz, distance 1 m)
Audio stream	
Codecs	G.711, G.722
Camera	
Resolution	1.3 Mpx 1280 (horizontal) x 960 (vertical)
Angle of view	135° in the width, 109° in height
Night vision	No
Video stream	
Codecs	H.263+, H.263, H.264 only for video calls/MJPEG for http streaming (no RTSP)
IP camera function	Yes
Interfaces	
PoE	PoE 802.3af LAN connector (Class 0 – 12.95W)
LAN	10/100 BASE-TX with Auto-MDIX, RJ-45
Tamper switch	Tamper switch, which indicates unauthorized opening of the device
Input	IN1 input terminal passive/active mode (-30 V to +30 V DC) OFF = open contact or UIN > 1.5 V ON = closed contact or UIN < 1.5 V
Relay output	30V/1A AC/DC, NO/NC output
Active switching output	8 -12 V DC depending on voltage (PoE: 10 V; adapter: voltage source minus 2 V), max. 400 mA
RFID card reader (optionally expandable)	
Supports 125kHz cards	EM4100, EM4102, HID Prox
Supports 13.56 MHz cards	ISO14443A Mifare Classic 1k & 4k, DESFire EV1, Mini, Plus S&X, Ultralight, Ultralight C ISO14443B CEPAS, HID iCLASS / JS X 6319 Felica
Mounting	
	Surface mounting/mounting plate for uneven walls and glass/metal facades optionally available
Mechanical	
Operating temperature range	-40 to 55 °C
Storage temperature range	-40 to 70 °C
Relative humidity	10% - 95% (non-condensing)
Dimensions/weight	229 x 109 x 31 mm (W x H x D) / max. 1000 g
IP rating	IP65 / IK7

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.

* 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.