

CREATING  
THE FUTURE  
OF LETTING  
PEOPLE  
IN AND UP



An Axis company



# ABOUT 2N

#1

With 29 years on the market and 11 years of IP intercom experience.  
**2N has been certified by IHS as the no.1 IP intercoms provider.**



2N has operations in 7 different global locations, with the HQ in Prague, ensuring the highest standards of **European quality and integrity.**



A huge 13% of revenues are reinvested in R&D, one of the reasons why 2N is the **world's leading LTE intercom** manufacturer. Integration is fundamental to 2N's IP access control portfolio, presenting innumerable possibilities and solutions.



reddot design award  
winner 2017

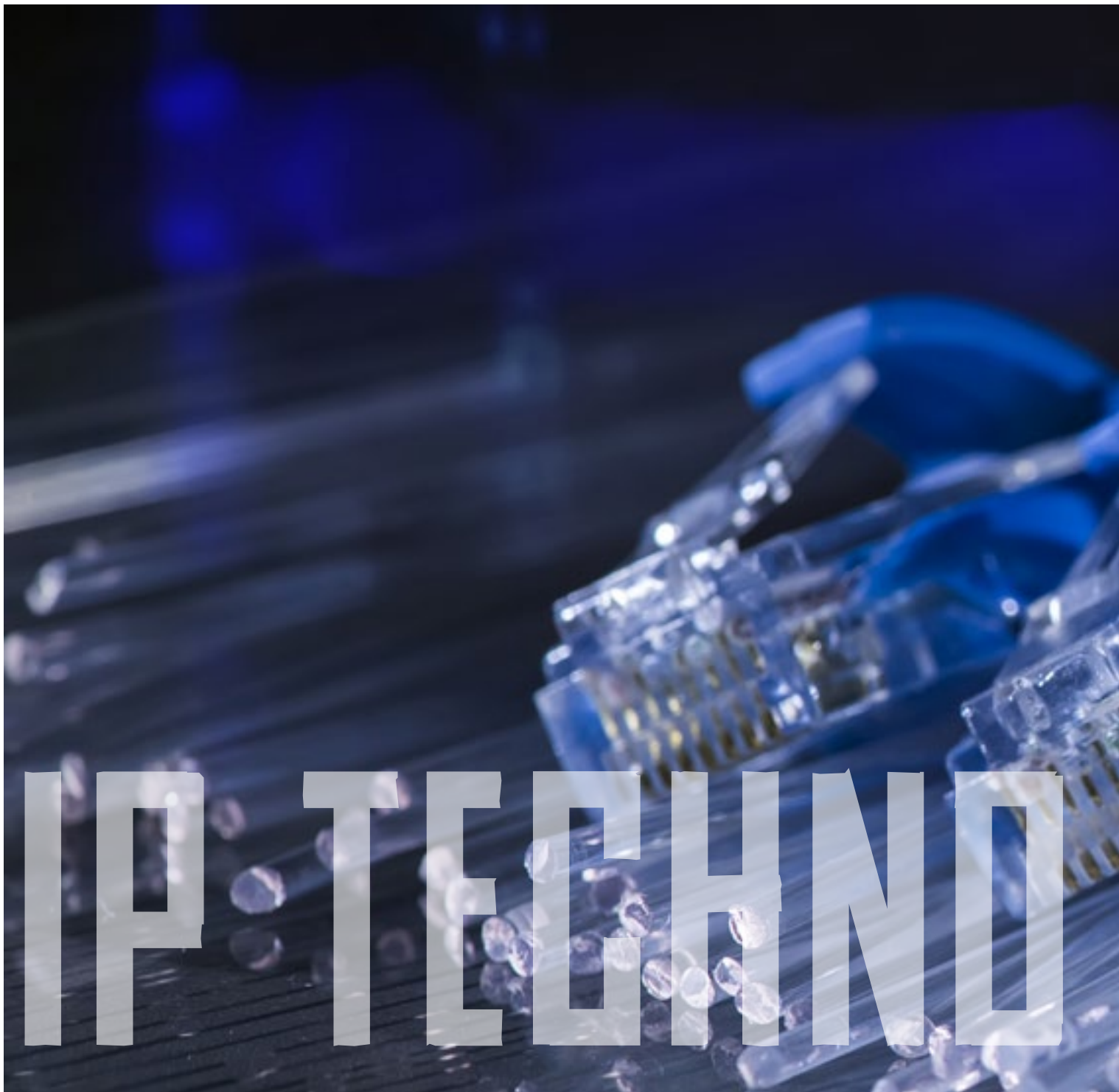


Winners of the RedDot and iF Design awards, 2N products complement and enhance their surroundings.



**Part of the Axis group since 2016**, a solid and reliable partner who offers assistance with project design, complex sales and technical support.

# WE ARE 2N



**... over an analogue solution**





Scalable network infrastructure providing future-proof solutions

Shared structured cabling lowers the installation costs

Efficient remote management from any location through the cloud

Online monitoring, notifications and troubleshooting for immediate help

Open protocols allowing integration with third-party systems

Smart features and analytics for enhanced security

High quality audio and video with postprocessing capabilities



QUALITY

# Quality meets design

Compliant with mandatory standards and norms (ISO, LVD, RED, RoHS)

All products are IP and IK certified as they are dust, water and impact resistant

Internationally awarded product design, resistant to intentional damage

First-class materials – steel, glass and aluminium

CAD drawings and REVIT models available for project planners

Proudly made in the European Union



DESIGN

# **Smart is not limited to households.**

## **You can create smart buildings too.**

The demands on housing in apartment buildings are increasing hand-in-hand with the development of information technologies. Residents are, more and more, using modern technologies to increase the level of comfort and convenience in their apartments and to ensure greater security.

We are 2N, a global leader in the field of security, access control systems for buildings, and communication within buildings. We develop products that reflect the latest trends in digitisation, an ongoing process which is giving rise to the demands for completely new services in the real estate market.

Tenants in new apartment buildings no longer choose where to live based only on price and amenities. Demand is constantly rising for smart home management. Linked to this is the possibility of easily contacting the facility manager and the immediate resolution of any problems which may arise.

Demand is, however, also increasing for other benefits in apartment buildings. For example, facilitating the delivery of parcels with the aid of a special room, controlled remotely. Residential buildings do, of course, also include communal areas such as laundry rooms and fitness centres which also require electronically secured access. Through the use of our products, you can, among other things, ensure the following benefits for your project:

### **ENTRANCE TO THE BUILDING UNDER CONSTANT CONTROL VIA A MOBILE PHONE**

Putting calls by visitors through to residents, even when they are not home, is becoming standard, required everywhere. Also, e-commerce sales are growing at an annual rate of 10% and apartment buildings need to be able to respond to this. They must help store parcels on the premises so that residents can collect them when they come home from work.





Up to 90,000 parcels go missing in Washington and New York every year. This problem could largely be solved if they were all handled and tracked using a mobile phone. The question being asked by developers and facility managers is how to provide this service on site without the need for security guards. The answer is a mobile application linked to an IP intercom by the door, integrated with an application which operates the whole building.

### **EASE OF MOVEMENT THROUGHOUT THE WHOLE BUILDING WITHOUT THE NEED FOR KEYS**

Investment into a modern access control system is estimated to amount to 0.1% of the total cost of a building's construction. Yet technology like this significantly increases the attractiveness of a building for tenants. Movement around the building without the need for keys is also more convenient and safer, and, if an access card or code is lost, it is much easier to block than a key.

### **THE INTEGRATION OF ACCESS CONTROL SYSTEMS WITH ANY OTHER SYSTEM**

Connecting the access control system at the door with home automation allows tenants easier control of the whole household from one central location. The security of the premises is also enhanced thanks to its simple integration with security and camera systems.

### **REMOTE MANAGEMENT**

IP technology saves apartment building managers time and money. Remote management allows facility management companies to look after the real estate entrusted to them more efficiently. Thanks to integration with property management software, facility managers can also, for example, plan cleaning work better and, in general, have the whole building under greater control. For tenants in the building, it means that problems can be solved much faster.

## MAIN ENTRANCE

A door entry phone testifies to the entire building's level of security. Its reliability is necessary both for residents as well as incoming visitors and the facility manager.

## APARTMENT

HD video and audio guarantee the best quality two-way communication between the resident and their visitors.

## NOT AT HOME?

A smart application for mobile phones accepts calls from the intercom wherever the resident is. The communication with the visitor becomes more convenient.

## PARKING GATE

Fulfilling the same expectations as the main entrance door phone, this intercom should be even more robust, louder, faster and offer more access control technologies.

## PARKING LOT

A parking lot without a mobile signal requires a bright colour intercom with backlit buttons. Otherwise, the person can't reach out for help or advice when needed.

## LIFT

A smart access unit installed in the lift ensures that only authorised people have access to certain floors.

## RECEPTION

A receptionist provides advice, forwards your calls and accepts couriers, monitors the building's surroundings. All of it is much easier with a reliable access control system.

## COMMON AREAS

The access control device letting the residents into common spaces should share the same design as the front door intercom, be easily installed and smart. What about to open doors with a fingerprint?

## RECOMMENDED INTEGRATION:

 brivo.

 STRATIS

 CARSON



 Control4



# MULTI-DWELLING UNITS



Residential project: Über den Linde, Wien, Austria. Copyright OLN/STRABAG Real Estate



AN ELEGANT BODYGUARD FOR THE MAIN ENTRANCE

# 2N® IP VERSO

The entry intercom represents the building. It must allow the building administrator to configure access for residents and ensure that visitors can talk to them. It is possible to include several access technologies in such an intercom. Remote supervision of the smooth operation of the intercom saves integrators the time and money associated with needless call-outs to the site. Thanks to its open interface and protocols, the intercom offers the possibility of integration with systems for building management, which significantly simplifies the work of facility managers. Easy connection with mobile applications for taking a call and remote door opening ensures convenience for users.



Directory for up to 10,000 users with intuitive searching



The choice of 16 different modules according to the needs of the building, with the possibility of easy changes



Award-winning design in different colour combinations



The possibility of integration with property management software via an API



Re-routing of all calls to reception



Modern technology for comfortable entry to the building, for example Bluetooth or fingerprint





reddot award 2017  
winner



IP54



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COURIER OR A FRIEND?

# 2N® INDOOR COMPACT

A modern flat should have a modern answering unit. Two-way communication with a visitor must be high-quality thanks to HD audio and video. Thick tempered glass prevents scratches from unwanted contact with a shopping bag or children's toys. In your project, you can connect the answering unit with two bells, an intercom at the entrance and a bell button at the tenant's flat. Thanks to the different selected melodies, the tenant can easily identify where his visitor is waiting. Fitters will appreciate the fact that the installation of equipment in a project is possible without significant intervention in the building structure.



High quality HD display and configurable backlight intensity



HD audio ensuring a clean, comprehensible conversation with the caller



Easy switching between internal and external cameras



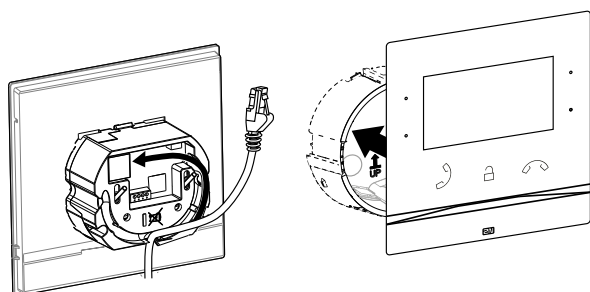
Tempered glass protecting the unit from unintended scratches



A log of each call, even unanswered ones, with a photo of the visitor



Connection with reception or the entry door with a single press of the button



152 × 153 × 50 mm

Due to the same installation box, easy replacement to 2N® INDOOR TALK



NOT AT HOME?

# 2N<sup>®</sup> MOBILE VIDEO

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Not everyone can wait at home for a package 24/7. Today, there are smart apps for this that connect with the access intercom and simplify communication with visitors from anywhere. Every day, up to 90,000 packages go missing in New York. Thanks to a mobile app, there is no risk of such losses. Via a video in the app, the tenant can check their consignment, open a door remotely and guide the courier to a delivery room. Communication with visitors via mobile phone saves a lot of time.



Easy taking of visitor calls outside the building



Opening of several doors using one button, such as the main entrance door and the door to the delivery room



Taking a photograph of a visitor at the entrance directly from the app



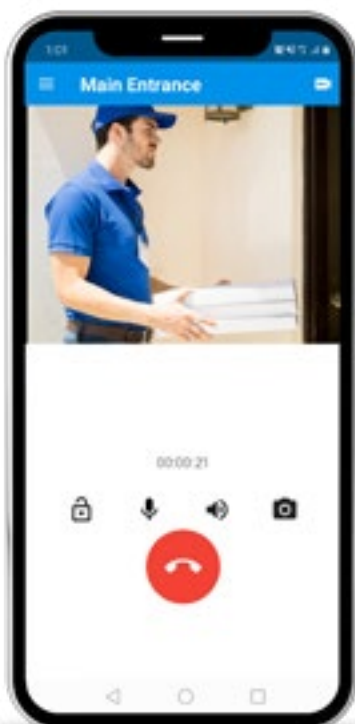
Effective two-way audio communication



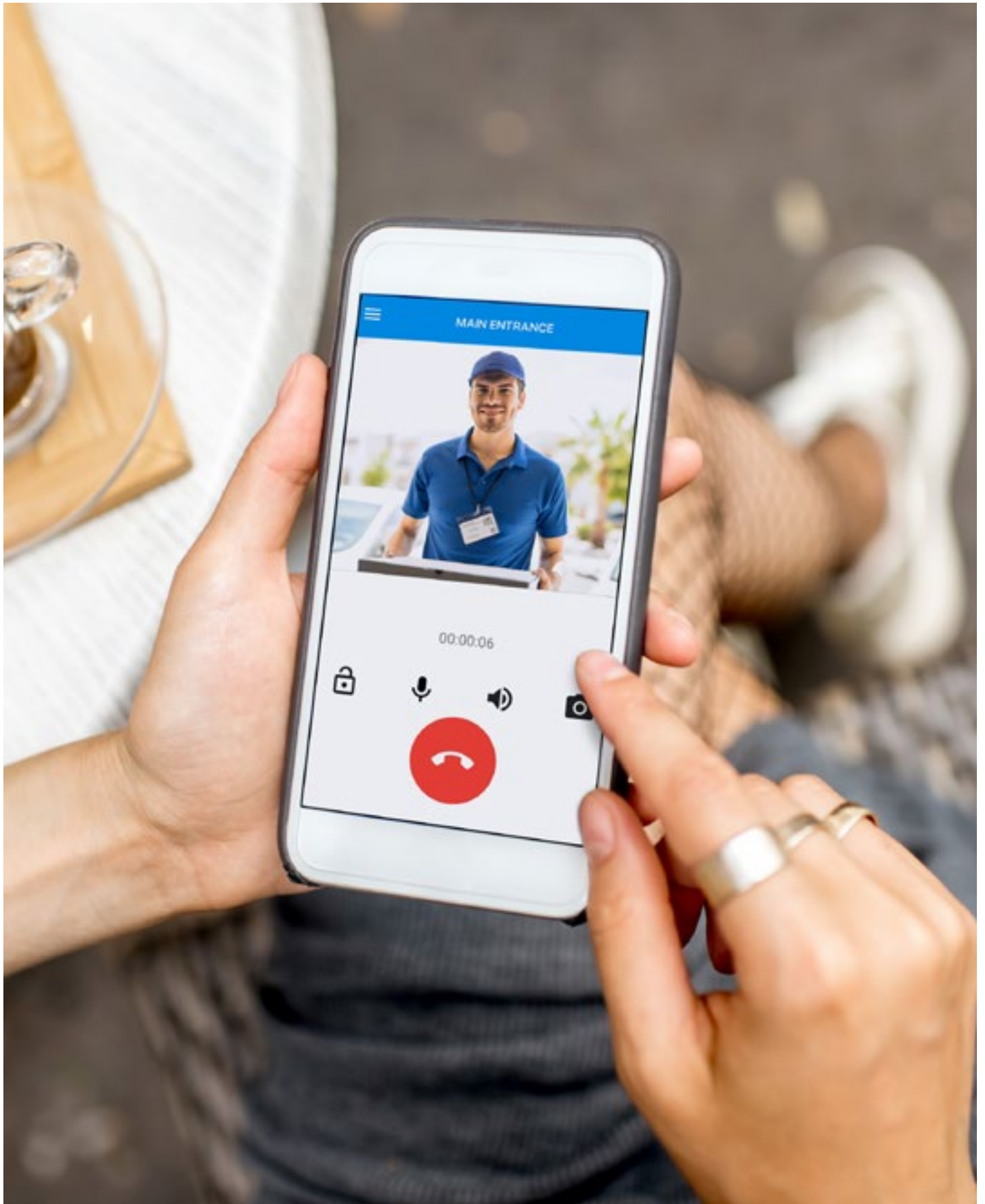
Video view of the visitor before taking the call

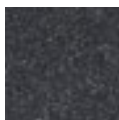


Mobile app instead of a physical answering unit









THE TOUGHER, THE BETTER

# 2N® IP FORCE

The entrance to a garage requires the same securing and rules as a pedestrian entrance. There is merely an increase in the demand for resilience, volume, speed of connection and the possibility of access technologies. Residents can open the barrier from the comfort of their car with an RFID card. Visitors or external service workers connect to reception for access permission. Thanks to the HD camera and powerful speaker, the receptionist can verify the identity of the customer within a few seconds.



Robust stand as equipment for installation



Opening of the barrier thanks to integration with licence plate recognition software



Two microphones to suppress ambient noise



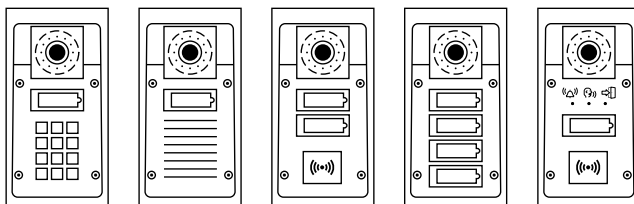
A solid construction that can withstand attacks by vandals and even being hit by a car



Resilience to weather



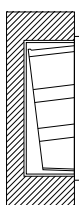
10W speaker for clear communication with reception



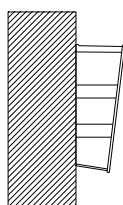
217 × 109 × 83 mm



In the plaster wall



In the wall



On the surface



Gooseneck



LOST IN THE MAZE?

# 2N<sup>®</sup> IP SAFETY

The reinforced concrete construction of an underground car park can very quickly turn into a trap. For this reason, a hi-vis intercom with backlit buttons is a must. You can use it to call for help quickly and reliably, and redirect the call either to reception or a security agency. Combined with external cameras, the worker will very quickly locate the lost person, and the powerful intercom speaker ensures the quality transmission of information.



Hi-vis orange for great visibility



Two backlit buttons - Info and SOS



Connection with an external camera and integration with a video monitoring system



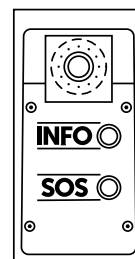
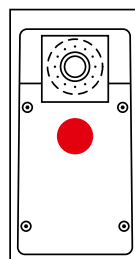
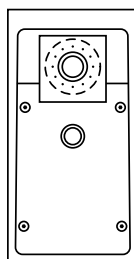
Pure sound thanks to the powerful speaker



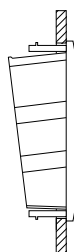
Regular auto-tests of equipment



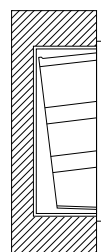
Bulky construction ensuring a high level of resilience



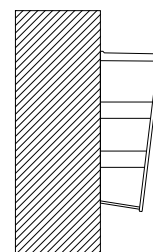
217 × 109 × 83 mm



In the plaster wall



In the wall



On the surface





IP69K



IK10



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IP54



IK8



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# LIFT ACCESS CONTROL

The lift is the transport artery of the entire apartment building. For this reason, it is essential to configure rules for movement in the building. Fitting a lift with an intelligent reader will ensure that, after confirming credentials, it can determine where a resident or visitor has access. As part of access control, it is easy to configure the night time ban or publicly accessible floors of common spaces for cleaning work. Convenience is also increased by the use of a mobile phone instead of an access card.



Configuration of publicly accessible floors without the need for identification



Floors with restricted access become available after the successful identification of the user



Possible combination with time profiles for the restriction of access



Ideal for apartment buildings up to 40 storeys with Axis A9188 relay



Identification by card, PIN code, fingerprint or mobile



Expansion of the solution to include an emergency lift communicator



NO PHYSICAL KEYS NEEDED

# 2N ACCESS UNIT

Access to the swimming pool, fitness centre or other shared space in a residential building can be resolved comfortably and without keys. All you have to do is install smart access equipment at the door. Does your project include a glass wall or uneven rustic design wall? The means of installation must not create problems either. Fingerprint access is a very modern solution. No one ever leaves their finger at home.



Modern keyless access system



Expansion of identification to include other methods such as RFID or Bluetooth



Readers in the same design as the access intercom



Elegant installation of products in walls, on the surface of walls or on glass



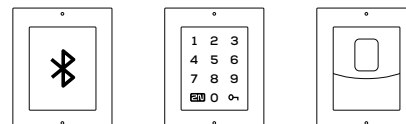
Access logs as the basis for the smart planning of cleaning or training sessions



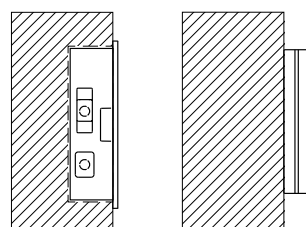
Remote mass management of access data



130 × 153 × 5 mm



107 × 103 × 28 mm

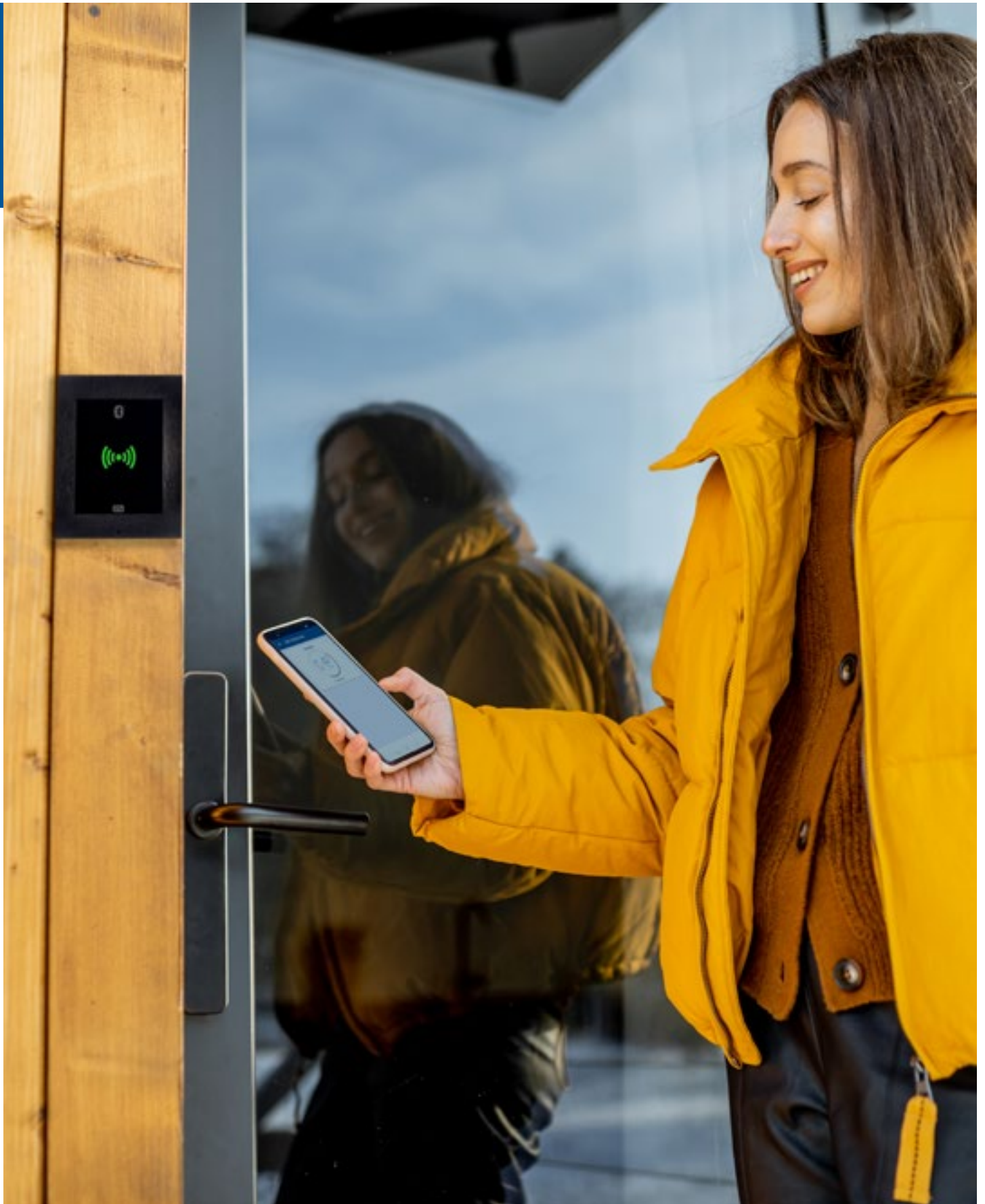


In the wall

On the surface







THE SMARTPHONE IS THE KEY

# 2N® MOBILE KEY

Intelligent apartment buildings let the tenants swap their bunch of keys for mobile applications. This is because the readers of access systems today communicate via the latest technology, such as Bluetooth or NFC. Thanks to the encrypted communication between the devices, this is a far more secure means of identification and door opening. For tenants, it is fast and comfortable, especially if their hands are full. The building administrators will appreciate the effective configuration of access.



Mobile phone as a virtual card for building access



Opening the door from an app or via a widget



Opening the door by touching the reader with a smartphone in the pocket



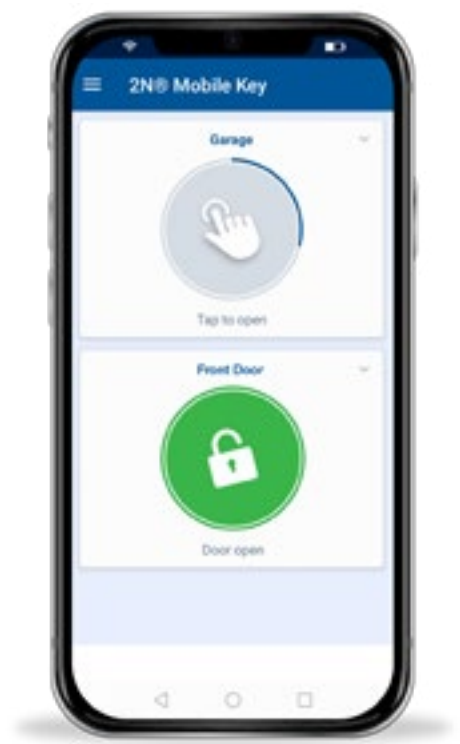
Secure communication at the same level as online banking



Immediate opening of the door



One mobile can replace several keys to various doors







# GATED COMMUNITIES

## MAIN GATE

A gated community can be expansive and therefore an intercom, which has functionalities that are not limited by distance should be chosen. An LTE door phone is an ideal solution.

## HOUSE ENTRY

Most houses take advantage of a home automation system. The intercom installed by the front door must therefore be smart to cooperate effectively with such a system.

## HOUSEHOLD

The homeowner should be aware of what is happening around the house and the main entrance gate. Switching between the intercom camera and external cameras is a matter of one button push.





## NOT AT HOME?

Only one click in a smartphone app guarantees an audio-video communication with visitors, alternatively; a preview of the intercom's camera without anyone ringing.

## AMENITIES

Without compromising the high level of security, movement around common spaces in the community can be significantly simplified by using a mobile phone or fingerprint to open doors.

## RECOMMENDED INTEGRATION:



DISTANCE IS NOT THE LIMIT

# 2N<sup>®</sup> LTE VERSO

The entrance intercom for a gated community can take more than 100 calls per day. Its reliability is crucial. An intercom with LTE technology needs only a power source. Given it includes a camera and a built-in microphone, it delivers high-quality audio and video transmission. As the average video call takes up just 4 MB, a SIM card with a basic data plan is sufficient for the intercom. The administrator of the premises will welcome the option of remote administration and monitoring of the intercom. Residents of the community will be thrilled to open the gate with their mobile phones.



LTE/4G technology allowing installation on remote entrance gates



Entry system and smart bell in a single device



Integration with a camera system



Remote administration via My2N cloud



Opening the entrance gate for vehicles and pedestrians from a single device



IR lighting for clear night-vision images





reddot award 2017  
winner



IP54



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WHEN RAIN CAN'T SPOIL YOUR MOOD

# 2N® MOBILE KEY

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A smartphone can turn into the main control element of your house and the key for the common areas in the premises or the entrance gate. In real life, this means that residents can open the gate from the comfort of their cars when it's raining. The response of the reader while communicating with a mobile phone is immediate. And what if someone loses their smartphone? The access data can easily be blocked to prevent their misuse and new access data loaded onto a new mobile.



Mobile application as a virtual access card free of charge



Opening the entrance gate from the comfort of a car



Communication distance with a setting from 0.5 m to 10 m



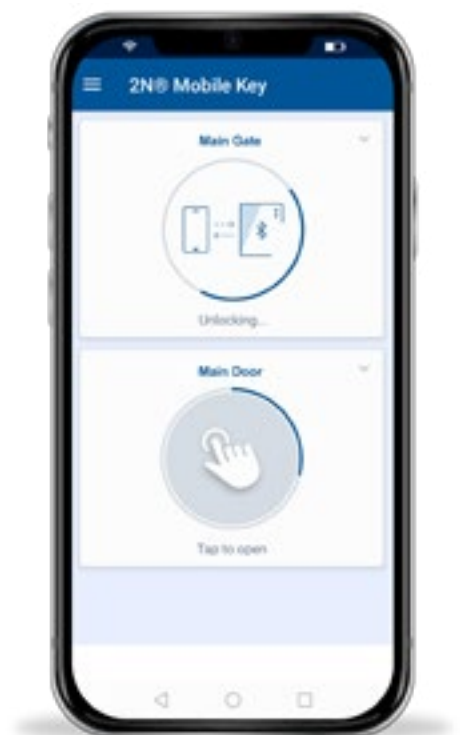
Flexible generation and distribution of access data



Encrypted communication between the mobile phone and reader



Application gentle to the battery of the mobile phone



UNOBTRUSIVE BUT EXTREMELY SMART

# 2N® IP SOLO

An intercom that can be integrated in smart household systems is very important for a modern house. Remote access control via a mobile phone is standard. The camera, with infrared lighting and motion detection, takes a photo of a potential intruder without problems even at night and sends the photo to a mobile phone. The intercom can also be used to check the arrival of children home. Children ring with a single press of a button, the parents see them through their mobile phone app and let them inside.



Stylish design fitting the design of the house



Reliable remote door opening using the mobile application



Hidden HD camera with night vision



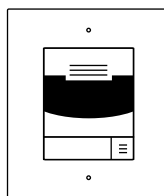
Motion and excessive noise detection



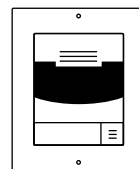
Sending photos of unexpected visitors by email



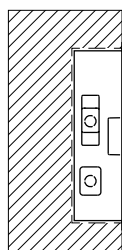
Option of connecting to a household automation system



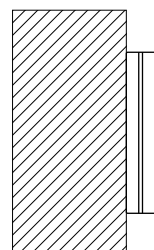
130 × 153 × 5 mm



107 × 130 × 28 mm



In the wall



On the surface







LOOK AT THEM!

# 2N® INDOOR COMPACT

A high-quality response unit is essential for safe and reliable communication. The house owner must be informed about the situation at their door or the entrance gate to the premises. This is achieved by switching between the view from the intercom camera and the external camera at the main entrance or elsewhere. In the owner's absence, missed calls are recorded with a photo of the visitor. Setting the "Do not disturb" mode at night is standard.



HD audio and 4.3" colour display



Overview of the video from the intercom camera



Substitute for a land line used for communication within the family



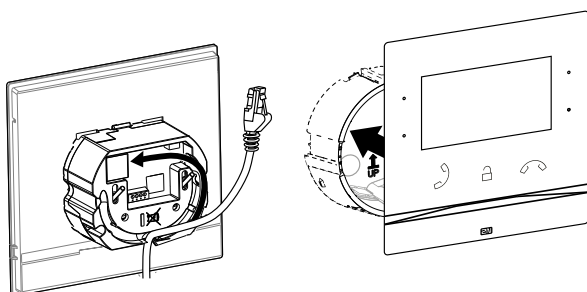
Intuitive control for all household members



Switching between the intercom camera and the external camera



"Do not disturb" feature for uninterrupted evenings and nights



152 × 153 × 50 mm

Due to the same installation box, easy replacement to 2N® INDOOR TALK



IN THE PICTURE FROM ANYWHERE

# 2N<sup>®</sup> MOBILE VIDEO

Residents can monitor the situation in front of their house during holidays. This smart application allows them to check the view from the intercom camera on the house or speak to visitors. They can grant entry to a neighbour who waters plants for them. All this is possible with minimal data consumption. The preset automation in the intercom can be activated in a similar manner. Playback of a preset message can discourage potential burglars. As the application is adequately secured, the data is completely safe.



Taking calls from the intercom even on the other side of the world



Access control for the house even when the residents are not present



Monitoring the situation in front of the house from anywhere and at all times



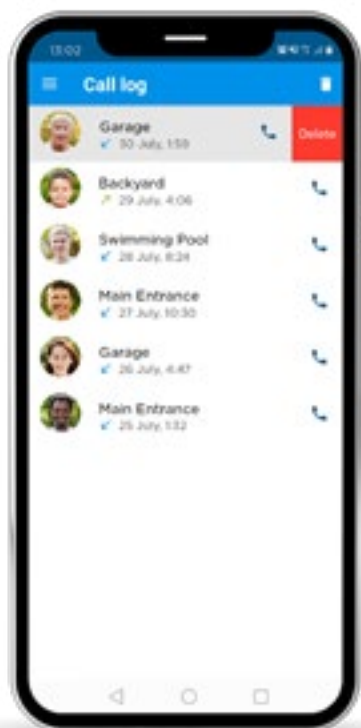
Application free of charge for iOS and Android mobile platforms



Switching between the external camera in front of the entrance and the intercom camera



The fastest and most reliable on the market, 99.9% of calls connected









IP54



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NO KEYS, NO STRESS

# 2N ACCESS UNIT

Security in common areas of buildings is essential for all projects. To ensure the easy installation and connection of the system, it is best to choose readers with an interface open for integration. This simplifies the administration of the entire access solution significantly. Nobody wants to carry additional keys for the shared playground or other facilities. Simplified movement in buildings using mobile phones or fingerprints can be the boast of every new project. Setting time profiles makes taking care of the premises easier and increases their security.



Secure access to common areas of the premises



Various levels of verification according to time profiles



The latest technologies for access without keys



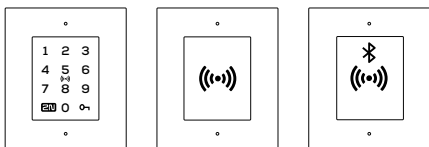
Readers with design matching that of the intercoms



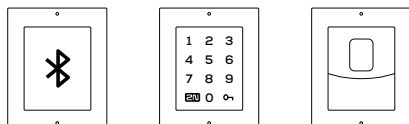
Anti-vandal design suitable for outdoor installation



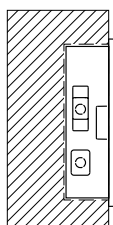
Installation on brick or glass walls



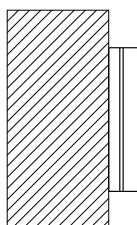
130 × 153 × 5 mm



107 × 103 × 28 mm



In the wall



On the surface





# SINGLE-FAMILY HOUSES



## FRONT DOOR

An office in a family house is not an exception. To secure privacy at home, a quality door communication system that clearly separates the workplace is a must.

## HOUSEHOLD

A family can take control of cameras, air-conditioning, blinds as well as communication with visitors from one single location, a smart control panel.

## NOT AT HOME?

A smart application on the resident's mobile phone ensures the acceptance of calls from the door. The visitor can reach the home owner even when they are in the garden hosting a party.

## SMALL OFFICE

The workplace at home might not need more than an audio answering unit. However, it doesn't mean it can't be stylish with functionalities appreciated even by the most demanding.

## GARAGE

Is it raining? The garage door can be opened remotely from the comfort of the vehicle by a mobile phone.

## RECOMMENDED INTEGRATION:

 **CRESTRON**

**SAVANT**

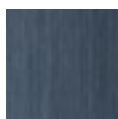
Control 



**FIBARO**

**LOXONE**







ONE HOUSE, ONE HOME, ONE OFFICE

# 2N® IP BASE

Those who have their home and office under one roof must have a good quality door communication system, which clearly divides the entry to both sections of their house. A simple intercom with two buttons and a basic access system can do this. Guests will simply identify the bell they should ring. The intercom includes a high definition camera to allow the owner to check who is standing at the door. The rest of the family needs to be able to enter the house easily with their mobile phones or an RFID card.



Two buttons for calling the separate parts of the house



Four versions of coloured protective frames



Entry with a card or mobile phone



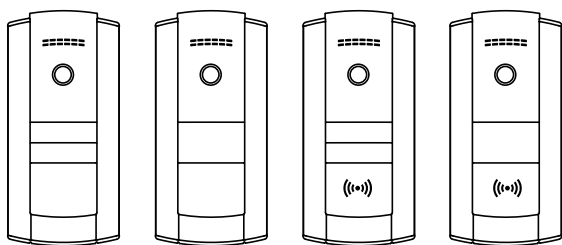
Wide-angle camera for monitoring visits



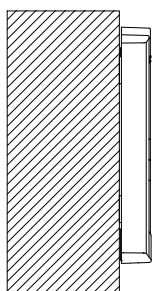
Connection between the intercom and the house automation system



Good quality structure which is durable in different weather conditions



217 × 109 × 83 mm



On the surface



BE IN CHARGE OF YOUR SMART HOME

# 2N<sup>®</sup> INDOOR TOUCH 2.0

These days, it is hard to imagine that each smart device used to have its own controller. Nowadays, we can communicate with a visitor and open doors for them while pulling the blinds down or controlling the heating from the same device. A single smart answering unit can do this. This central element of a smart household must fit in with the interior design of the house. Good quality materials are just as important. The surface of the unit should be able to withstand any impact by children's toys, the display must show video in the best quality and the unit should produce crystal clear sound.



Answering unit as a central element of a smart household



Simple control owing to the 7" display



Android operating system with support for third-party applications



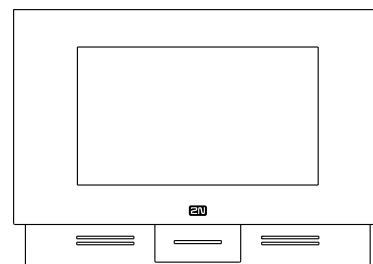
Wi-Fi versions allowing wireless connection



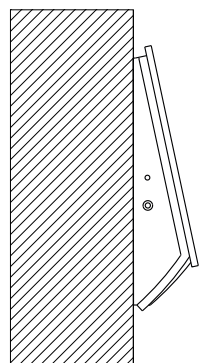
Tilted display for great readability of all information



Video recording for playing back missed calls



235 × 165 × 40 mm



On the surface



reddot award 2017  
winner









OPEN THE DOOR WITH EASE

# 2N<sup>®</sup> MOBILE VIDEO

Homeowners like to spend time in the garden, for example while holding a garden party. However, they cannot pay attention to their guests if they constantly have to go and open doors for new arrivals. This can be solved with an application interconnected with the entry intercom. Visitors are put through to the resident within moments, in the same way as a video call. Residents in the house can recognise the visitor before answering the call, switch over to the external camera to have even better look at them, and or let them in.



Opening the gate from anywhere, even from the garden



Video overview of the visitor before answering the call



30-day trial for testing the application



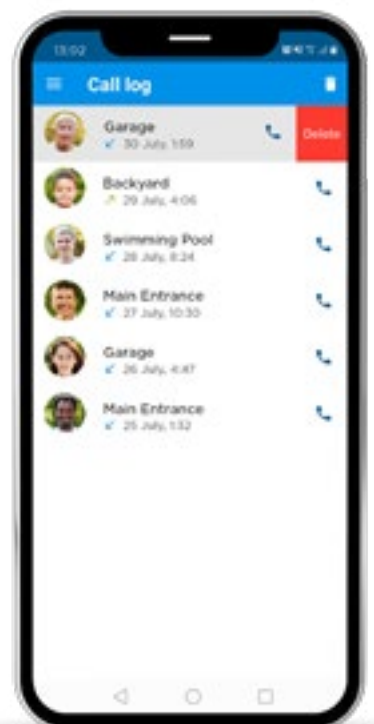
Small investment for the great comfort of controlling entry



Missed-call logs with images of the visitor



Opening multiple locks, for example in the gate and doors



JUST ENOUGH SPACE IN THE HOME-OFFICE

# 2N<sup>®</sup> INDOOR TALK

Certain parts of the house, such as the study or the workshop, need a stylish audio answering unit only. A unit with a glazed surface and large backlit indicators meets these requirements. In addition, the resident can use this to call another unit in the residential section faster than with a mobile phone. The quality audio ensures that communication with visitors is at the highest possible level. The simple setting of the “do not disturb” feature, for example at night, is standard. Interconnection with a mobile phone can be used as an addition if the resident wants to look at the visitor.



Crystal clear sound for intelligible communication



Mobile device application for a flexible extension to monitor and control entry remotely



Intuitive control with large backlit icons



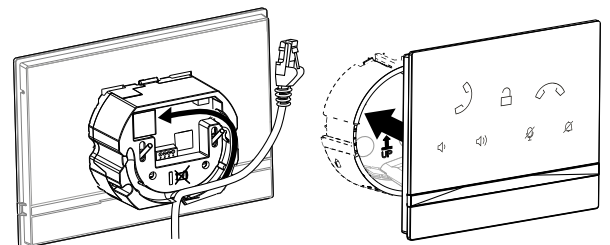
Different ringtones for calls from various devices



Calls to the intercom and to another answering unit in the house



Hardened 3 mm thick glass with an anti-scratch finish



185 × 128 × 48.2 mm

Due to the same installation box, easy upgrade to 2N<sup>®</sup> INDOOR COMPACT





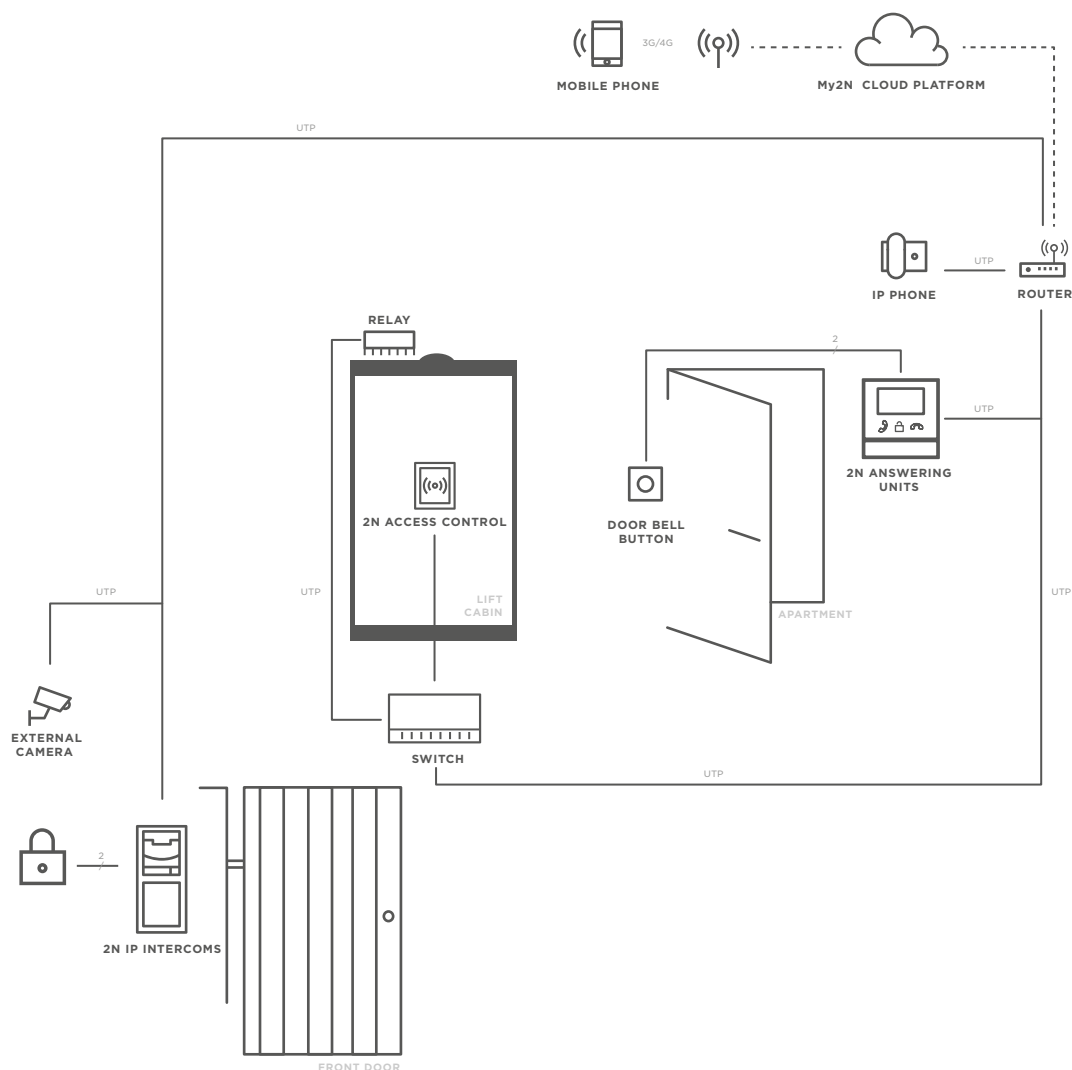


# 2N TOOLS

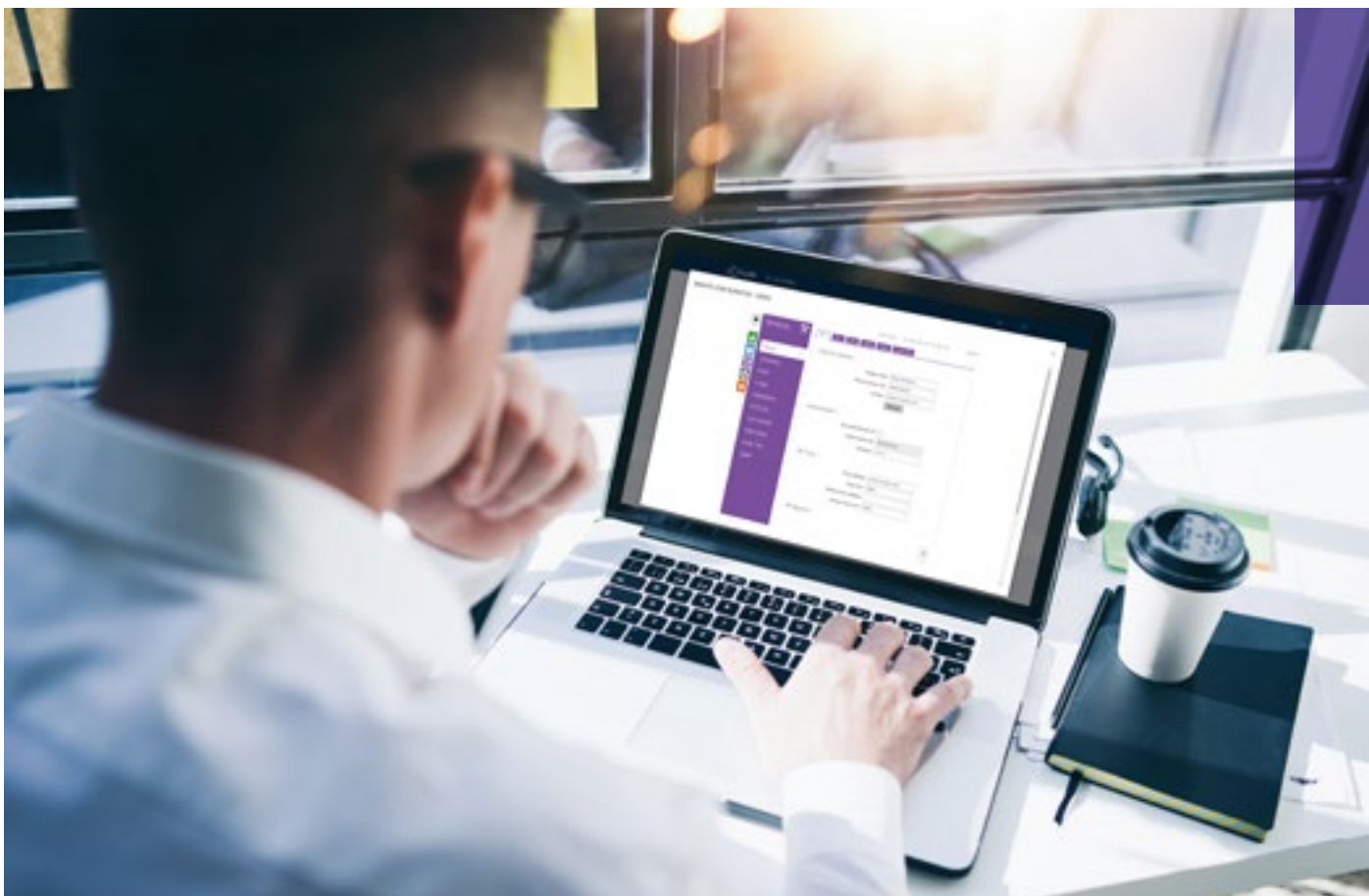


# THE MY2N CLOUD PLATFORM

The My2N cloud platform offers the administration and configuration of all 2N devices from one location – and much more. Its basic building blocks are reliability, security and stable performance. These are precisely the elements that allow you to set up all 2N devices throughout the whole building remotely, in real time. Which intercom should make a call to which location? Should it also call a mobile phone at the same time it calls the answering unit? This can easily be set up via a secure channel over the internet. This means that there are no costs for service technicians being called out to work on site and the speed of repairs is increased many times over. The use of all of these benefits is completely free of charge.







## **2N® SITE MANAGEMENT**

Manage multiple sites and set up all IP products installed within a building via a single web interface. And the costs? None.



## **2N® REMOTE CONFIGURATION**

Configure 2N devices remotely over the internet from wherever you are via the My2N portal. Free of charge.



# 2N ACADEMY

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Free of charge, whenever you want it and wherever you are – these are the benefits of online study at the 2N Academy. The new portal offers the ideal place to familiarise yourself with 2N's products and gain confidence in the processes for installing and configuring them. Through our series of online webinars and interactive courses, anyone can become a professional. Once completed, you will be awarded a certificate as evidence of the knowledge you have acquired.



Portal in several language versions



Immediate, automatic approval of participation in webinars



Online and offline study options



Interactive courses



Training materials in one place



Certificate awarded on completion of study, completely free of charge

# 2N PROJECT DESIGNER

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## DON'T FORGET ANYTHING FOR YOUR PROJECT

1. Select a 2N intercom that fits your project's needs
2. Choose the desired modules, installation boxes, accessories and licences
3. Complete the solution with 2N's answering and access units
4. Export the configured list of products to an XLS document
5. Send completed projects to your distributor



... that easy it is. Try it for yourself:







More info available in our 2N Integration HUB

# 2N INTEGRATION HUB

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Residential projects are fully equipped with the latest technologies, which are increasing the comfort of the people living there. The integration with systems for home automation is the biggest advantage of 2N products. Visit our new web platform, the 2N Integration HUB, to see how easy it is to integrate 2N products into your project.



Video Surveillance



Package Delivery



Home Automation



Property Management



Building Automation



Residents' mobile app









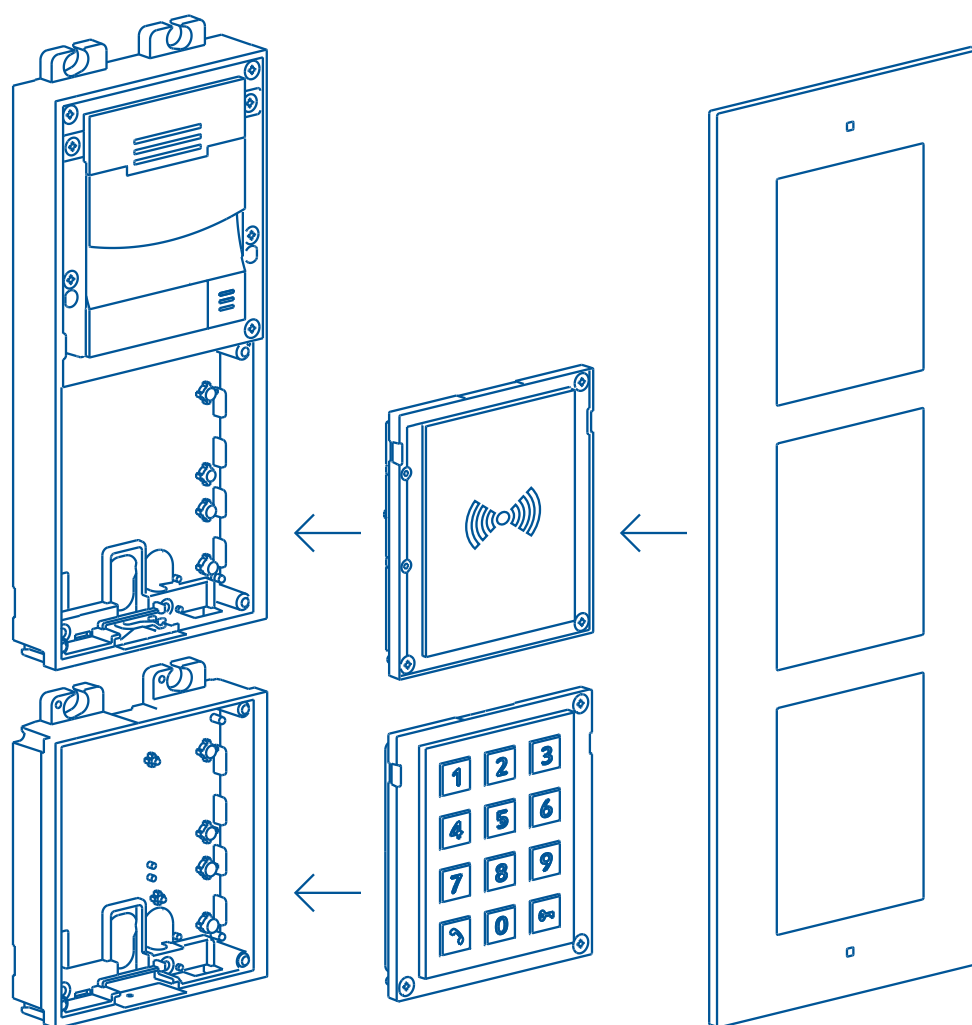
# COMPARISON TABLES

Detailed overview of answering units and intercoms functions and parameters for better decision-making.

INTERCOMS	2N® IP Verso	2N® LTE Verso	2N® IP Solo	2N® IP Base	2N® IP Force	2N® IP Safety
Integrated camera available	yes	yes	yes	yes	yes	no
Integrated electric switch	yes	yes	yes	yes	yes	yes
Numerical keypad available	yes	yes	no	no	yes	no
Internal RFID card reader available	yes	yes	no	yes	yes	no
Biometrics available	yes	yes	no	no	no	no
Bluetooth available	yes	yes	no	no	no	no
Buttons	up to 146	up to 146	1	1 or 2	1, 2 or 4	1 or 2
Audio amplifier output	no	no	no	no	no	no
Audio line-in/line-out	line-out	line-out	line-out	no	line-out	line-out
Display - optional	yes	yes	no	no	no	no
Tamper alarm output	yes	yes	yes	yes	yes	yes
Tamper alarm event in automation API	yes	yes	yes	no	yes	yes
Suitable for outdoor use	yes	yes	yes	yes	yes	yes
IP/IK coverage	IP54/IK8 (touchscreen IK7)	IP54/IK8 (touchscreen IK7)	IP54/IK8	IP65/IK7	IP69K/IK10	IP69K/IK10
Number of users	10000	10000	10000	10000	10000	10000
Security Relay support	yes	yes	yes	yes	yes	yes
Dimensions W×H×D (including frame)	107×234×28 mm (2 modules)	107×234×28 mm (2 modules)	107×130×28 mm	109×229×31 mm	109×217×83 mm	109×217×83 mm
Power supply POE 802.3af	yes	no	yes	yes	yes	yes
Power supply 12V DC	yes	yes	yes	yes	yes	yes
LTE connectivity	no	yes	no	no	no	no

ANSWERING UNITS	2N® Indoor Touch 2.0	2N® Indoor Compact	2N® Indoor Talk
Display	yes, 7"	yes, 4.3"	no
Display resolution (pixels)	1024 × 600	480 × 272	---
Unit control	capacitive touch display	capacitive buttons	capacitive buttons
Integrated speaker	yes, 2W	yes, 2W	yes, 2W
Integrated microphone	yes	yes	yes
Digital input (doorbell button)	yes, 2	yes, 1	yes, 1
Line out (induction loop)	yes	yes	yes
Digital output	yes, 2	no	no
Relay	yes, 2	no	no
OS	Android, 6.0.1	2N OS	2N OS
Colour variants	black, white	black, white	black, white
WiFi (802.11 bgn)	yes (optional)	no	no
Dimensions W×H×D (mm)	235×165×40	152×153×50	185×128×48.2
Mounting options	wall mount	flush	flush
Mounting accessory	none	flush box	flush box
POE power supply (802.3af)	yes	yes	yes
12V DC power supply	yes	yes	yes





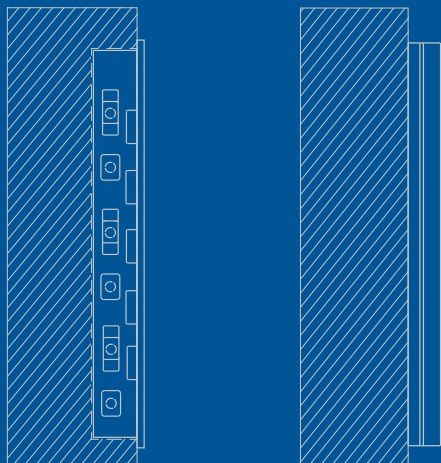
Build your intercom exactly as you need it – 2N® IP Verso and 2N® LTE Verso can be adapted to anyone's wishes.

MODULARI

# INSTALLATION



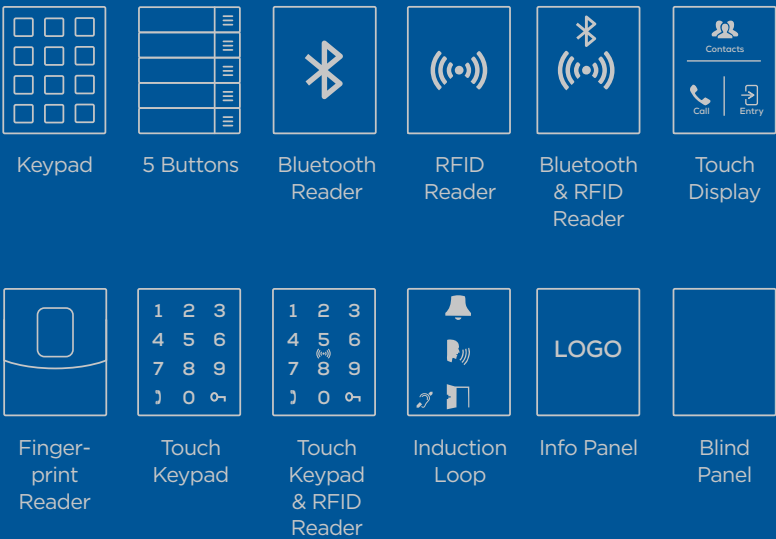
## IN THE WALL      ON THE SURFACE



	Flush-mounted			Wall-mounted		
Dimensions (mm)	W	H	D	W	H	D
1 module	107	130	28	130	153	5
2 modules	107	234	28	130	257	5
3 modules	107	339	28	130	361	5



# MODULES



# ORDERING NUMBERS, ACCESSORIES

## 2N® IP & LTE VERSO

Item	Features	Colour	Order No.
2N* IP Verso Main unit - 1 button	With camera	Black	9155101CB
		Nickel	9155101C
	Without camera	Black	9155101B
		Nickel	9155101
2N* LTE Verso Main unit - 1 button	With camera	Black	9155401CB-E
		Nickel	9155401C-E
Frames			
Flush installation	1 module	Black	9155011B
	1 module	Nickel	9155011
	2 modules	Black	9155012B
	2 modules	Nickel	9155012
	3 modules	Black	9155013B
	3 modules	Nickel	9155013
Surface installation	1 module	Black	9155021B
	1 module	Nickel	9155021
	2 modules	Black	9155022B
	2 modules	Nickel	9155022
	3 modules	Black	9155023B
	3 modules	Nickel	9155023
Extending modules			
Touch Display			9155036
Bluetooth Reader			9155046
Bluetooth & RFID Reader			9155082
Bluetooth & RFID Reader	Secured		9155084
Fingerprint Reader			9155045
Touch Keypad			9155047
Touch Keypad & RFID Reader			9155081
Touch Keypad & RFID Reader	Secured		9155083
RFID Reader	125 kHz		9155032
	With NFC, (13.56 MHz)		9155040
	(13.56 MHz secured)		9155086
Keypad		Black	9155031B
		Nickel	9155031
5 Buttons			9155035
Induction Loop			9155041
Blind Panel			9155039
Infopanel			9155030
Tamper Switch			9155038
I/O Module			9155034
Wiegand Module			9155037
Accessories			
Flush-mounting box	For 1 module		9155014
Flush-mounting box	For 2 modules		9155015
Flush-mounting box	For 3 modules		9155016
Extension cable	1 m long		9155050
Extension cable	3 m long		9155054
Extension cable	5 m long		9155055
Blind button			9155051
Blind button Black			9155051B
Nametag foil			9155052
Backplate	1 module		9155061
	2 modules		9155062
	3 modules		9155063
	2(w) × 2(h) modules		9155064
	3(w) × 2(h) modules		9155065
	2(w) × 3(h) modules		9155066
	3(w) × 3(h) modules		9155067
Wedge Backplate	2 modules		9155072
External Antenna	For 2N* LTE Verso		9155048

## 2N® IP SOLO

Item	Features	Colour	Order No.
Main unit	Surface mount	Black	9155301CBS
		Nickel	9155301CS
	Flush mount	Black	9155301CBF
		Nickel	9155301CF
Accessories			
Flush-mounting box			9155017
Backplate			9155068
Wedge backplate			9155071
Glass mount			9155074

## 2N® IP BASE

Item	Colour	Order No.
Main unit with Black frame		9156111CB
Main unit without frame		9156101C
Colour Frame	Grey	9156010G
	Light Grey	9156010LG
	Gold	9156010GO
	Blue	9156010B
Accessories		
125 kHz Card Reader		9156030
13.56 MHz RFID Card Reader		9156031
Backplate		9156020

## 2N® IP FORCE

Item	Features	Order No.
With HD camera	1 button	9151101CHW
	1 button, keypad	9151101CHKW
	4 buttons	9151104CHW
	2 buttons, card reader ready	9151102CHRW
	1 button, pictograms, card reader ready	9151101CHRPW
With SD camera	1 button	9151101CW
	1 button, keypad	9151101CKW
	4 buttons	9151104CW
	2 buttons, card reader ready	9151102CRW
	1 button, pictograms, card reader ready	9151101CRPW
Without camera	1 button	9151101W
	1 button, keypad	9151101KW
	4 buttons	9151104W
	2 buttons, card reader ready	9151102RW
	1 button, pictograms, card reader ready	9151101RPW
Accessories		
125 kHz RFID card reader + tamper switch		9151011
13,56 MHz card reader NFC ready + tamper switch		9151017
Secured card reader NFC ready 13.56MHz		9151019
Flush-mounting box		9151001
Flush-mounting box for mounting in plasterboard		9151002
Gooseneck stand		9151005

## 2N® IP SAFETY

Item	Features	Order No.
Main unit	2 buttons – Info and SOS, 10W speaker	9152102W
	1 button, 10W speaker	9152101W
	Red emergency button, 10W speaker	9152101MW
Accessories		
Flush-mounting box		9151001
Flush-mounting box for mounting in plasterboard		9151002
Frame		9152000
Gooseneck stand		9151005



# AND OTHER INFORMATION

## 2N® INDOOR TOUCH 2.0

Item	Colour	Order No.
2N® Indoor Touch 2.0	Black	91378375
	White	91378375WH
2N® Indoor Touch 2.0 Wi-Fi	Black	91378376
	White	91378376WH
<b>Accessories</b>		
Presentation stand	Black	91378382
	White	91378382W

## 2N® INDOOR COMPACT

Item	Colour	Order No.
2N® Indoor Compact	Black	91378501
	White	91378501WH
<b>Accessories</b>		
Installation box		91378800

## 2N® INDOOR TALK

Item	Colour	Order No.
2N® Indoor Talk	Black	91378401
	White	91378401WH
<b>Accessories</b>		
Installation box		91378800

## 2N ACCESS UNIT

Item	Features	Order No.
2N® Access Unit 2.0 RFID		9160334
2N® Access Unit 2.0 RFID	Secured	9160334-S
2N® Access Unit 2.0 Bluetooth & RFID		9160335
2N® Access Unit 2.0 Bluetooth & RFID	Secured	9160335-S
2N® Access Unit 2.0 Touch Keypad & RFID		9160336
2N® Access Unit 2.0 Touch Keypad & RFID	Secured	9160336-S
2N® Access Unit RFID (125 kHz)		916009
2N® Access Unit RFID (13.56 MHz, NFC)		916010
2N® Access Unit Bluetooth		916013
2N® Access Unit Fingerprint Reader		916019
2N® Access Unit Touch Keypad		916016
<b>Frames</b>		<b>Order No.</b>
Flush installation 1 module	Black	9155011B
	Nickel	9155011
Surface installation 1 module	Black	9155021B
	Nickel	9155021
<b>Accessories</b>		
Flush-mounting box		9155014
Backplate, 1 module		9155061

## ACCESSORIES

Electrical strikes	Features	Order No.
Electrical strike 11211	12V/230mA DC	932071E
Electrical strike 11221	hold-open 12V/230 mA DC	932081E
Electrical strike 31211	fail-safe 12V/170 mA	932072E
<b>IP videophones</b>		
IP telephone Yealink SIP T58A		9137905
<b>RFID tags (for Verso and Force)</b>		
Card EMarine RFID 125 kHz		9134165E
Key EMarine RFID 125 kHz		9134166
Card Mifare RFID 13.56 MHz		9134173
Key Mifare RFID 13.56 MHz		9134174
<b>External card reader RFID</b>		
External card RFID 13.56 MHz		9137421E
External Bluetooth reader (USB interface)		9137422E
External fingerprint reader (USB interface)		9137423E
External reader secured 125 kHz + 13.56 MHz (USB interface)		9137424E

Other	Order No.
2N® IP Security Relay	9159010
2N® Induction Loop	9159050
External antenna for Induction Loop module	9155043
Power supply 12V/1A for 2N® Induction Loop	9159052
2N® 2Wire (plug EU/US/UK)	9159014EU 9159014US 9159014UK
Exit button	9159013
IP relay - 1 output	9137410E
IP relay - 4 output	9137411E
Magnetic Door Contact	9159012
Power supply 12V/2A	91341481E
PoE injector (EU/US plug)	91378100E 91378100US
<b>Other licences</b>	
Enhanced Audio	9137905
Enhanced Video	9137906
Enhanced Integration	9137907
Enhanced Security	9137908
Gold	9137909
Informacast	9137910
NFC	9137915

2N TELEKOMUNIKACE  
Modranska 621/72  
143 00 Prague 4  
Czech Republic

(+420) 225 271 500

[sales@2n.cz](mailto:sales@2n.cz)

[www.2n.cz](http://www.2n.cz)

# SMART SAFE INNOVATIVE