



An Axis company

OPEN THE DOOR TO INNOVATION

2N IP INTERCOMS, IP ACCESS & SIP AUDIO SYSTEMS





An Axis company



“For 25 years 2N has been on the forefront of access control and telecommunications. We take care to stay on the leading edge with our products, the R&D behind them, and the way we service our customers. We are proud of our growth on global markets and are now number one in IP Intercoms.”



OLDŘICH STEJSKAL
Chief Executive Officer, 2N Telekomunikace a.s.



PETER LINDSTRÖM
Vice President New Business, Axis Communications

„AXIS group including 2N have a common goal to contribute to a smarter and safer world. There is an increased customer demand for integrated solutions with open standards that deliver enhanced security. Together with 2N we can meet that demand.“



IP INTERCOM SYSTEMS

IP VERSO, LTE VERSO, SOLO, BASE, FORCE, VARIO, SAFETY AND UNI

3



ANSWERING UNITS

INDOOR TOUCH AND MOBILE VIDEO APPS

21



IP ACCESS CONTROL

ACCESS UNITS, ACCESS COMMANDER AND ACCESS COMMANDER BOX

23



SIP AUDIO SYSTEMS

SIP SPEAKER, SIP SPEAKER HORN, SIP MIC AND SIP AUDIO CONVERTER

35



ACCESSORIES

SOFTWARE, ACCESSORIES AND ORDERING NUMBERS

39

2N® IP VERSO

Modular intercom
is configurable to meet your needs

Bluetooth technology ensures
access control to the facility

Intuitive touch display for outdoor
use with up to 2000 contacts
in the structured list

Wide-angle HD camera
with infrared night vision

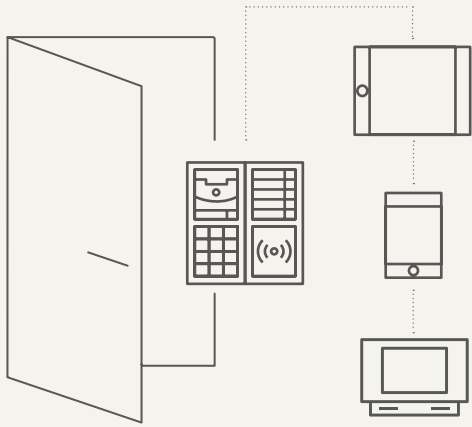


Easy integration with IP telephone
systems using SIP protocol support

Integration with IP camera systems,
VMS, and NVR through ONVIF

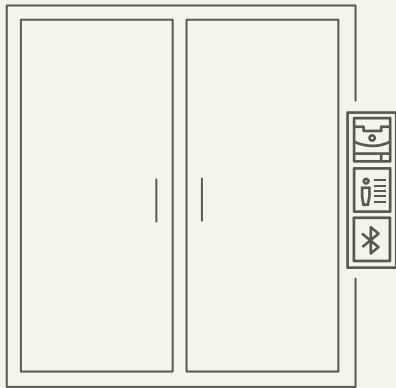
2N® Mobile Video calls on your
mobile phone

RFID smart card reader with NFC
support or Fingerprint reader module



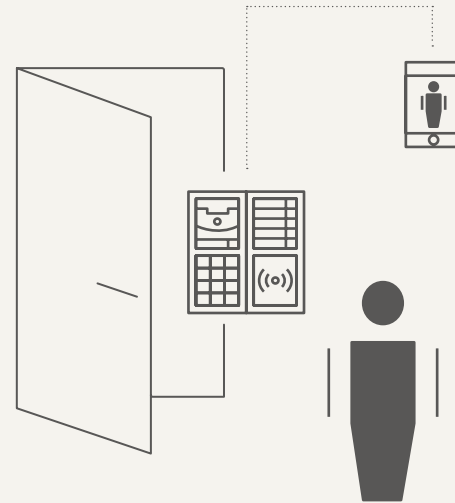
HD VIDEO

The intercom's integrated HD camera can send quality images to camera systems, mobile devices or the 2N® Indoor Touch.



MODULARITY

Taking advantage of the intercom's modularity you can choose a combination that suits your needs. For example, you can interconnect the touch screen with a Bluetooth unit and HD camera.



NIGHT VISION

The intercom's camera with infrared night vision can record a potential intruder even in complete darkness without the intruder noticing it.

2N® LTE VERSO

Wireless communication through the LTE network

The ideal solution for retrofit installation in apartment buildings

Calls to mobile devices, 2N answering units and IP telephones

HD camera with night vision and movement detection



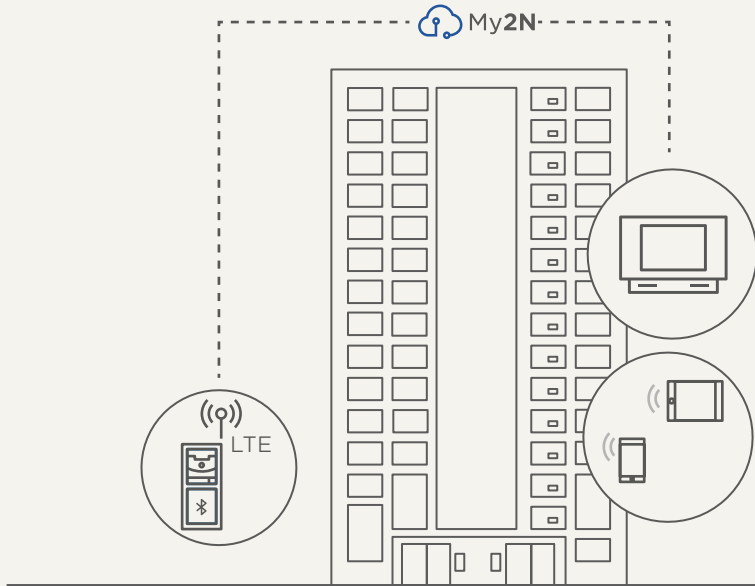
COMING SOON

Remote configuration and administration through the My2N portal

Compatible with all modules for 2N® IP Verso

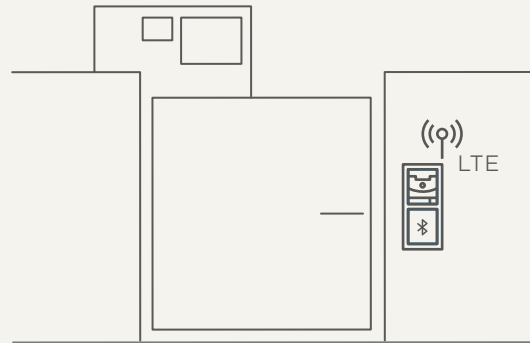
Video monitoring of entrance using the 2N® Mobile Video App

Option of combination with IP intercoms in one solution



REMOTE GATEWAY

2N® LTE Verso can be used for remote locations like distant gates or buildings without wired infrastructure where only power source and LTE network is needed.



RESIDENTIAL BUILDING RETROFIT

2N® LTE Verso is ideal solution for installations where by using LTE connection and 2N® Mobile Video service it offers full solution for apartment building communication without need for wired infrastructure.

2N® IP SOLO

Wide-angle HD camera with infrared light and night vision

Easy integration with IP telephone systems using SIP protocol support

Snapshot of the visitor to email

Tamper switch detecting unauthorized device intrusions



Integration with Video Surveillance System

2N® Mobile Video calls on your mobile phone

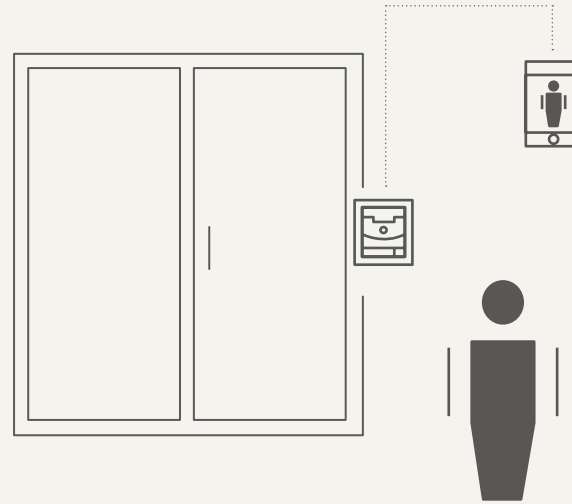
Easy integration into the home automation system

Luxury IP intercom with flush or wall mounting option



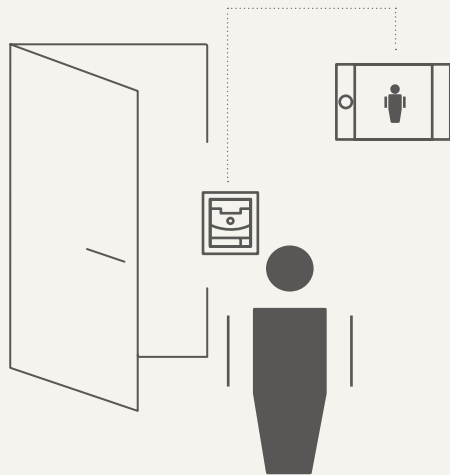
HOME AUTOMATION

Link the intercom to your home automation system via the open API.



NIGHT VISION

The intercom's camera with infrared night vision can record a potential intruder even in complete darkness without the intruder noticing it.



PICTURE TO EMAIL

When visitor calls from the intercom, it sends you their snapshot to email.

2N® IP BASE

Compact IP intercom
with wide-angle HD camera

Fast installation

Durable aluminum frame

Excellent audibility in all
conditions

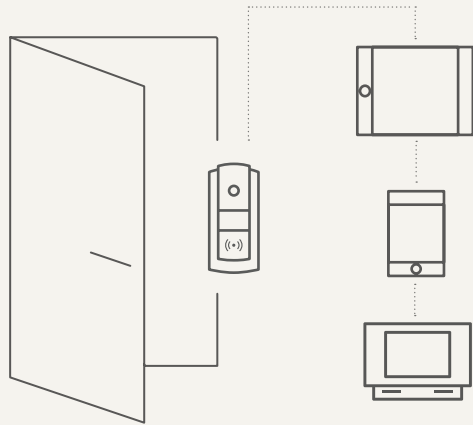


Outputs ready for connecting
an electric lock or other
equipment

Both one or two buttons
options included

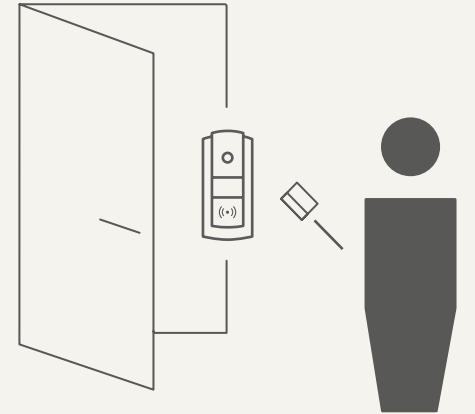
Basic model can be extended
with a 125 kHz or 13.56 MHz
RFID card reader module

Video calls on your mobile phone
using 2N® Mobile Video App



VIDEO CALLS ON VARIOUS DEVICES

An integrated HD camera ensures high quality videocalls on mobile devices, 2N® Indoor Touch or IP telephones.



ACCESS CONTROL SYSTEM

With its RFID card reader, the intercom can serve as a part of your access control system.

2N® IP FORCE

The toughest IP intercom on the market able to withstand the most demanding conditions

Wide-angle HD camera with infrared light and night vision

10W loudspeaker for excellent audibility in loud environments

Integration with IP camera systems through the ONVIF protocol



RFID smart card reader with NFC support and Wiegand interface

Highly durable aluminum housing

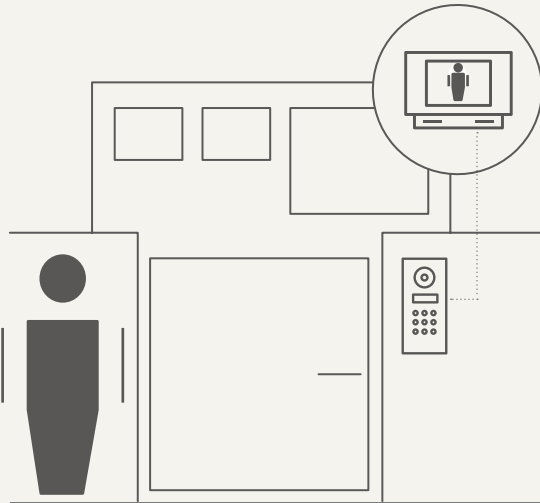
Video calls on your mobile phone thanks to 2N® Mobile Video

Easy integration with IP telephone systems thanks to SIP protocol support



SCHOOL BUILDING SECURITY

The intercom is able to lock down school entrances according to pre-set time profiles.

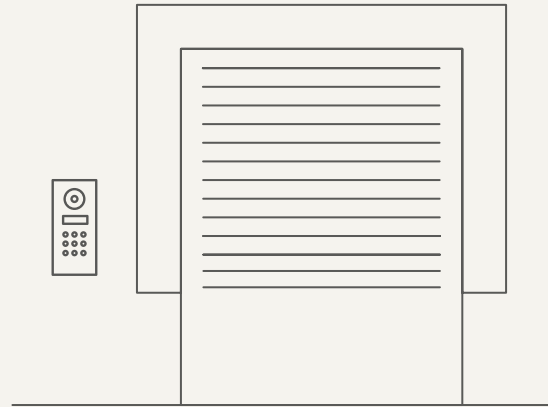


HOME GUARDIAN

Its high durability and the possibility of video recording make the intercom a reliable guardian of any building entrance.

SUPPLY ENTRY AND GROUNDS PROTECTION

In logistics areas no service ramp will be left unprotected.



2N® IP VARIO

Graphics display instead of a large panel of buttons

Easy integration with IP camera systems and access control systems

With 2N® IP Vario you can combine LCD screen, call buttons, keypad, RFID card reader, camera, and relays all in one device

Snapshot of the visitor to email

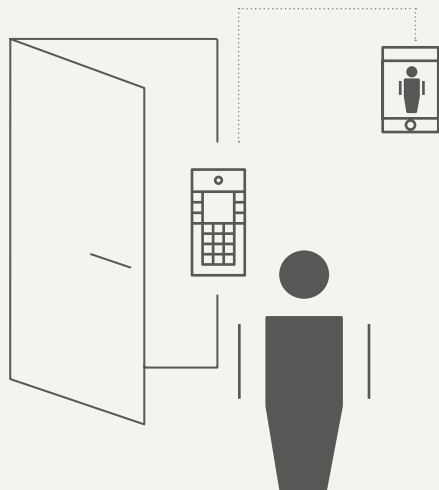


Buttons with an unlimited lifecycle

Easy integration with IP telephone systems thanks to SIP protocol support

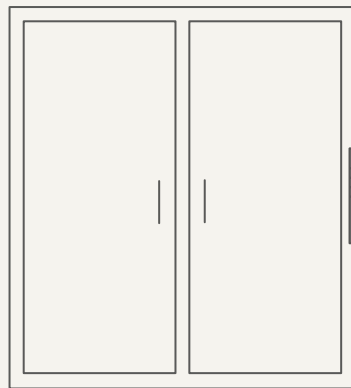
Video calls on your mobile phone using 2N® Mobile Video App

Using the extenders you can easily increase the number of buttons up to 54



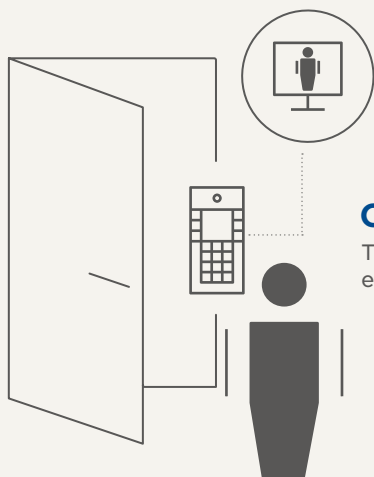
VISITOR'S IMAGE ON YOUR PHONE

The integrated camera can transmit a quality image from your doorstep to your mobile phone.



ACCESS CONTROL SYSTEM

The intercom can function as an access control reader.



CONNECTION TO CCTV

The video stream from the intercom can easily be sent to a camera system.

2N® IP SAFETY

The most durable IP intercom on the market able to withstand the most demanding conditions

Distinctive orange color, easily recognizable in emergency situations

10W loudspeaker for good audibility in loud environments

Easy integration with IP telephone systems using SIP protocol support

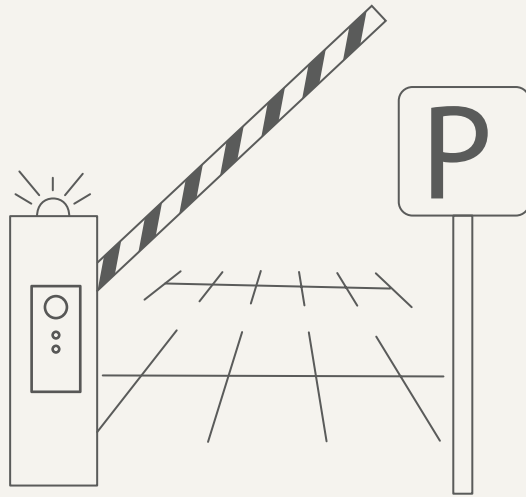


Integrates with external IP cameras for video calls

Durable buttons visibly backlit in blue

Highly durable aluminum housing

Tamper switch detecting unauthorized device intrusions



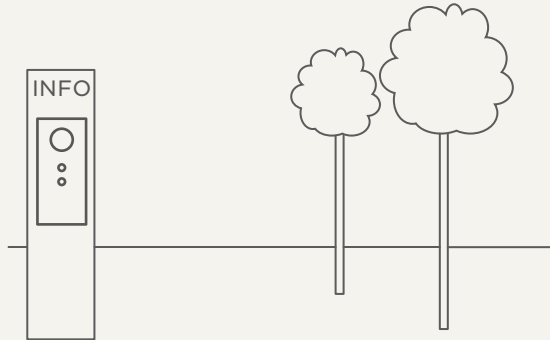
HIGHLY VISIBLE ASSISTANT AT PARKING LOTS

Installed in the parking lot exit it can significantly help in unexpected situations.



SOS POINT

On highways, the intercom functions as a part of an SOS Point, a solution providing emergency communication between drivers and a supervision centre.



INFOPOINT IN CITY PARK

A visible and easily operated information point in city parks, relax areas or other public places.

2N® IP UNI

Quick to install design

Durable stainless steel cover
suitable for outdoor application

Output for lock control

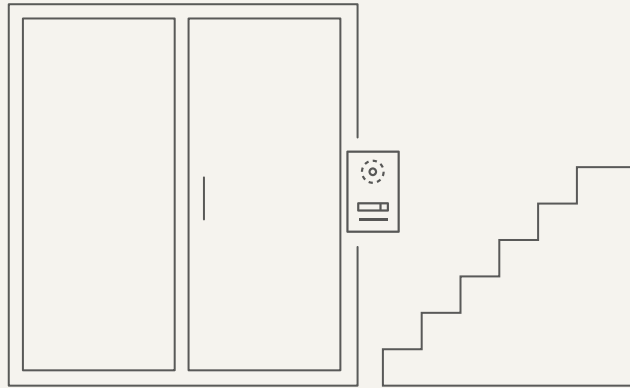


Pictograms signalling the status
of the intercom

Tamper switch

Easy integration with IP telephone
systems using SIP protocol
support



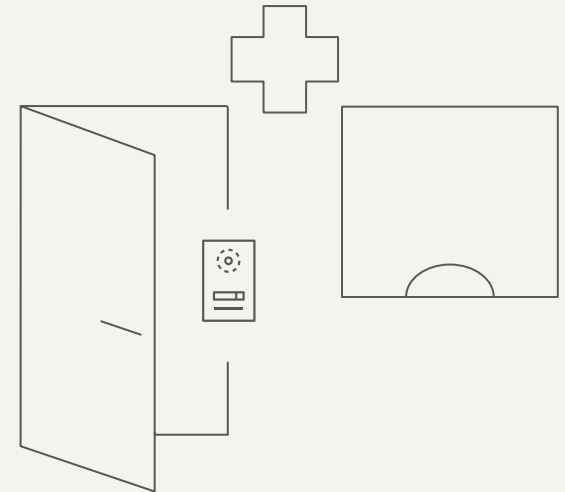


EASY COMMUNICATION IN OFFICES

For services entrances and back stairways in offices where it is necessary to ensure simple and safe communication.

INTERCOM FOR PHARMACIES WITH NIGHT WORK HOURS

An easy and effective system for calling personnel during night hours.





210



2N[®] INDOOR TOUCH

Luxury design
and high-tech processing

7" touch screen

Audio and video
communication in HD quality

Video monitoring of 2N IP
intercoms



Video voicemail or visitor's
snapshot in case of a missed call

Easy installation and remote
administration in large
residential apartments

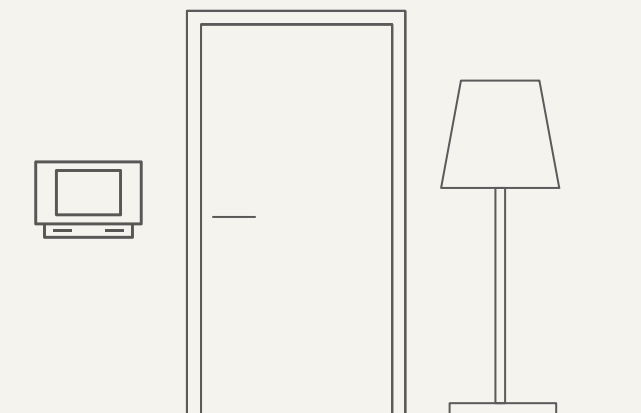
Home automation integration
using OS Android support

Support of doorbell button
by the apartment or house
entrance



RESIDENTIAL BUILDING

2N® Indoor Touch offers excellent monitoring, communications and access control for residential entrances. The device can be installed in any apartment.



STYLISH ACCOMMODATION

You can use 2N® Indoor Touch in your apartment or house as an answering station or to monitor what is happening at your door.

2N[®] MOBILE VIDEO

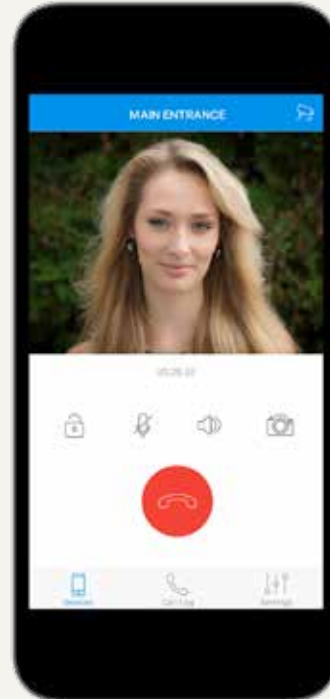
Video calls on your mobile phone

Accept the call anywhere
in the world

Building entrance monitoring

Open the door remotely

Solution for small residential
installations as well as for large
apartment buildings



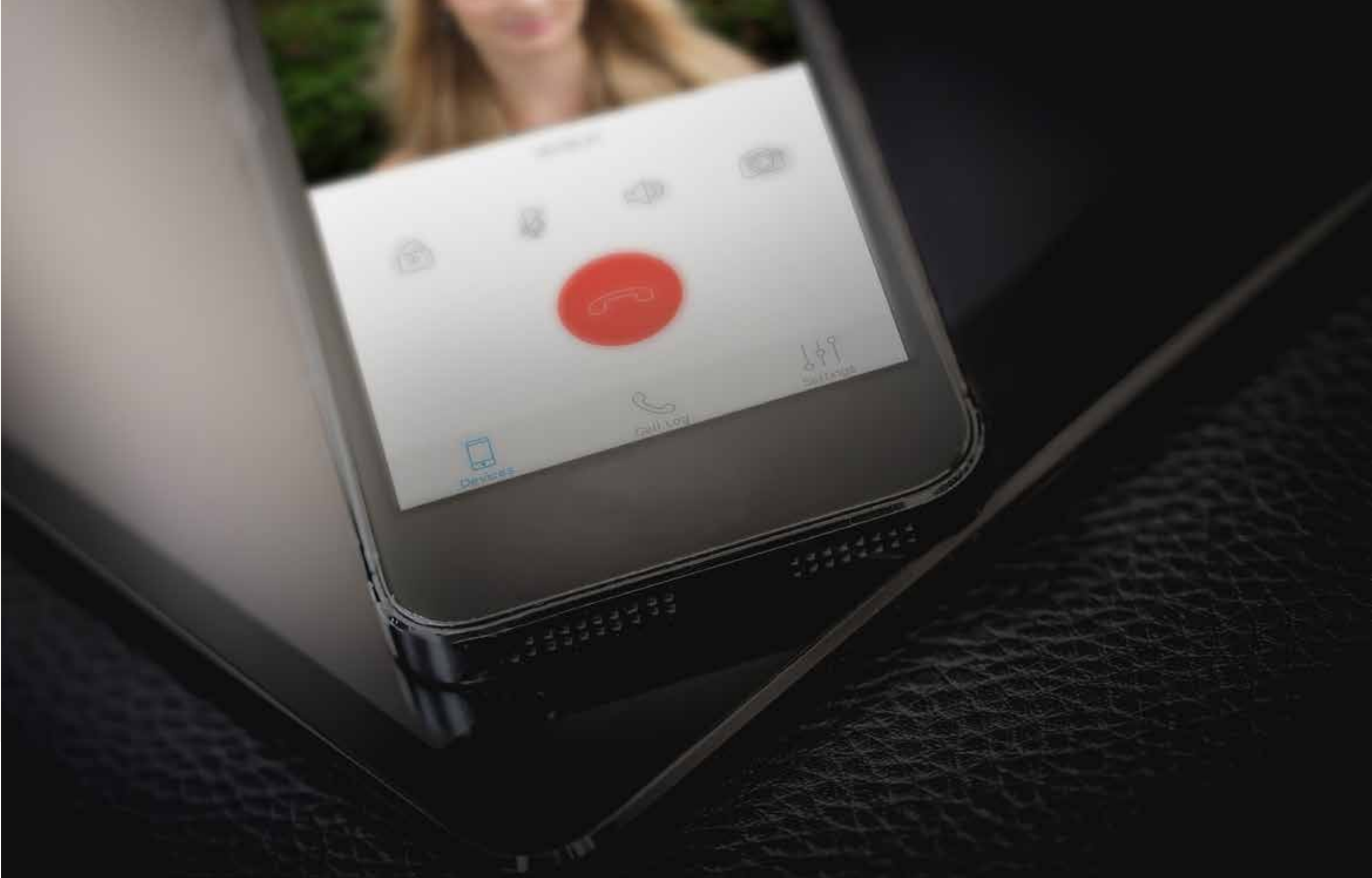
Mobile Application available
for iOS and Android

Video preview before
call pick-up

Easy configuration and remote
administration via My2N.com
portal

Calling on more devices like
2N[®] Indoor Touch or IP telephone

Call on more devices at once



2N® ACCESS UNIT Bluetooth

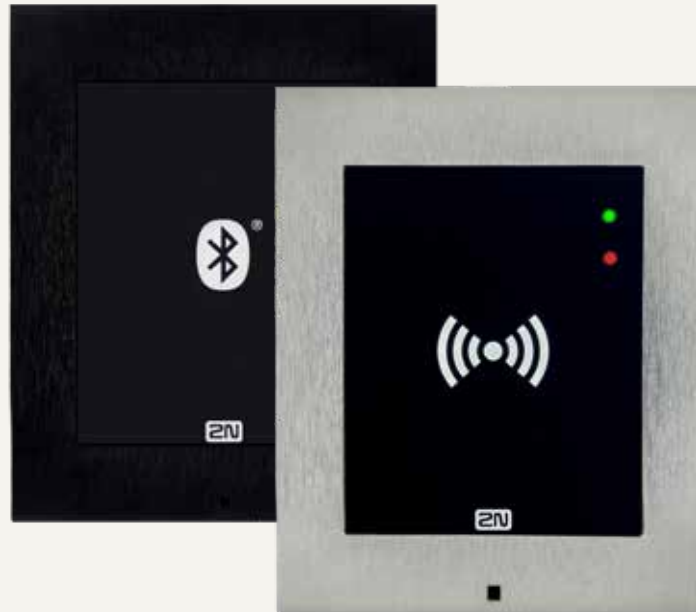
Different modes for door opening

Adjustable communication distance

Encrypted communication with
banking security standard

2N® Mobile Key app available for iOS
and Android

Free of charge mobile credentials



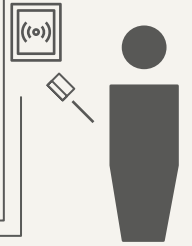
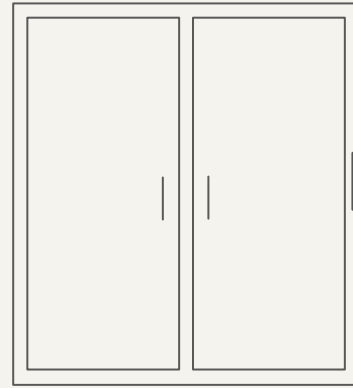
2N® ACCESS UNIT RFID

Version with 125kHz reader - works
with EMarine and Proximity cards

Version with 13.56MHz
reader - works with Mifare,
DesFire, HID iClass and other

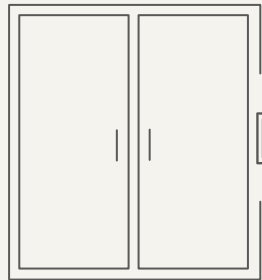
Possibility to open doors using
a smartphone supporting NFC

Connection of keypad, Bluetooth
or fingerprint reader for two factor
authentication



ATTENDANCE SYSTEM

The access unit works as an easy attendance terminal recording all of your employees' arrivals and departures.



CONVENIENT ACCESS VIA SMARTPHONE

With our Bluetooth enabled application 2N® Mobile Key you do not have to search for your RFID card anymore. Just approach the Bluetooth unit with your mobile phone in the pocket and touch the unit.

2N® ACCESS UNIT

Touch keypad

Highly sensitive touch keypad

Backlight intensity adjustment

Acoustic signalization
of each touch

Silent alarm function

Water tolerance
(doesn't detect false touches)



2N® ACCESS UNIT

Fingerprint reader

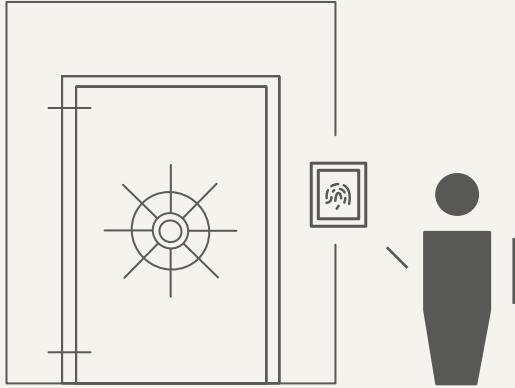
Absolutely secure and convenient
identification method

Optical sensor suitable
for outdoor use

Spoof fingerprints detection

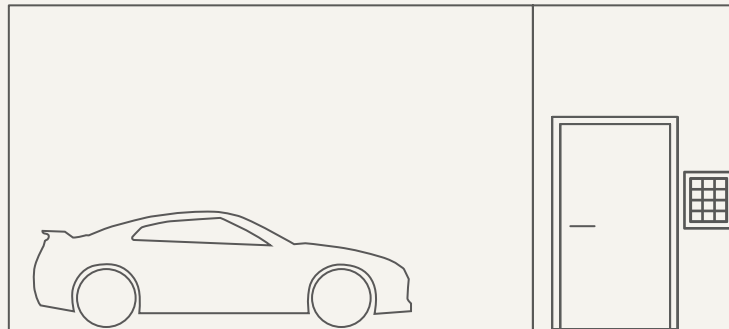
Fast matching speed

Recognizes even wet fingers



TOP SECURITY GUARANTEED

Use the fingerprint reader for places such as banks or labs where the security is crucial.



PROTECT THE ACCESS TO GARAGE

Protect your garage or parking lot in the office building and allow access only to those, who have their own access PIN code.

2N® ACCESS UNIT

Touch Keypad & RFID

A combination of two classic access control technologies in one device

Automatic calibration of the keypad preventing detection of false touches (e.g. drops of water)

Adjustable backlighting brightness of the touch keypad

Multi-factor user authentication in areas with a higher security level*



2N® ACCESS UNIT

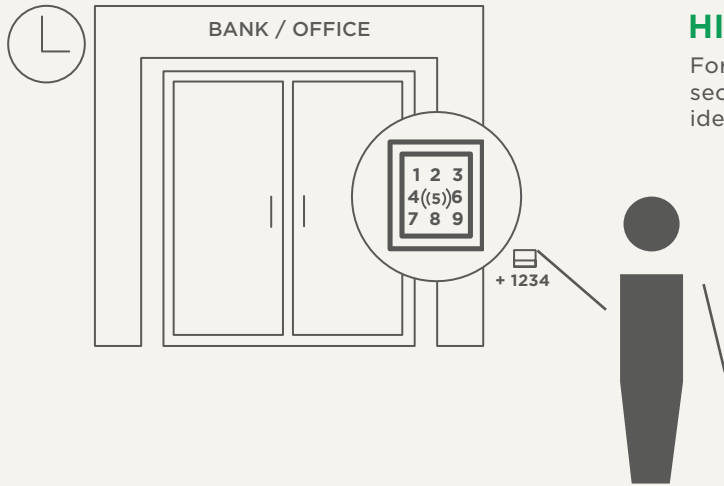
Bluetooth & RFID

Access using a smartphone in combination with a traditional RFID solution

The 2N® Mobile Key application will transform your smartphone into an access card, free of charge

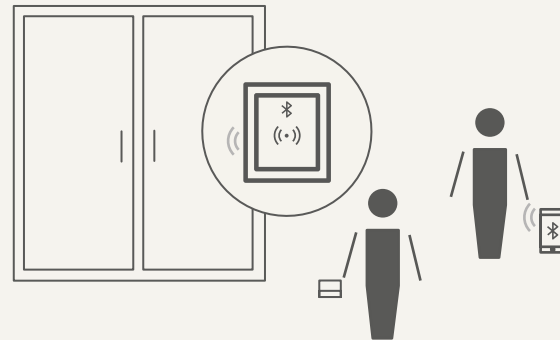
Encrypted communication with banking security standard

Multi-frequency RFID reader with the option of reading secured HID iClass Seos cards*



HIGHER LEVEL BUILDING SECURITY

For entry to a building with a higher level of security such as a bank, the user must prove their identity using a PIN code and their RFID card.



TRANSITION FROM RFID CARDS TO MOBILE CREDENTIALS

The ideal solution for office buildings where some employees want to start using their smartphones with the 2N® Mobile Key application to gain entry to the building instead of traditional RFID cards.

2N® ACCESS COMMANDER

Distributed as an image for server installation
(free download from www.2n.cz)

Tool for configuration and management of the access control system*

Administration through an intuitive web interface comprehensible to the ordinary user*

Basic time and attendance system for keeping records of working hours*

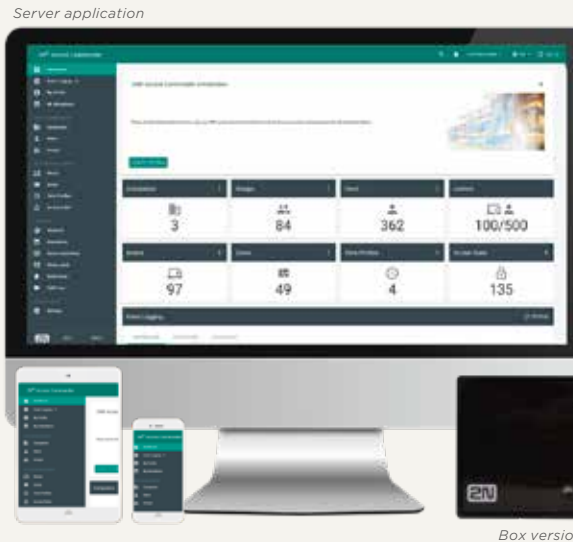
2N® ACCESS COMMANDER Box

Software pre-installed and distributed on mini-PC

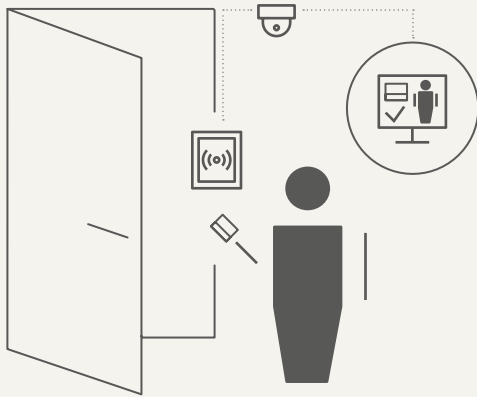
“Plug and play” solution - only the power supply and network required

Advanced monitoring of the status of all connected devices with notifications*

Access logs and alarm notifications with snapshots of the visitors*

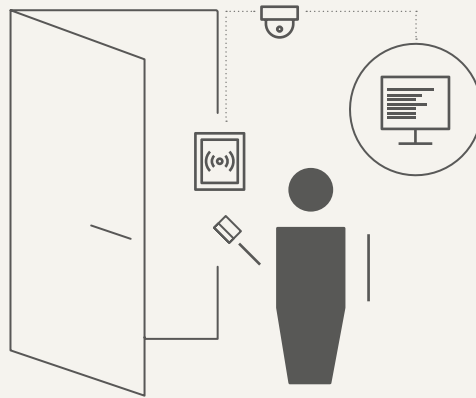


**All the described functions and behaviour are available on both the specified platforms*



INTEGRATION WITH MILESTONE XPROTECT VMS

An administrator can watch the video from cameras tied up with access logs from 2N® Access Commander via one common interface.



ATTENDANCE TRACKING

2N® Access Commander allows you to track your employees' attendance on everyday basis. The attendance list can be then exported into .pdf or .csv format and processed further. Also, the data could be sent via API to 3rd party systems.





Contacts



Keyboard

2N® SIP AUDIO



2N® SIP SPEAKER

SIP based loudspeaker for live or pre-recorded announcements

Seamless compatibility with video management software (VMS) and IP PBXs

Internal scheduler for broadcasting preset announcements

Easy installation with a single cable (PoE)



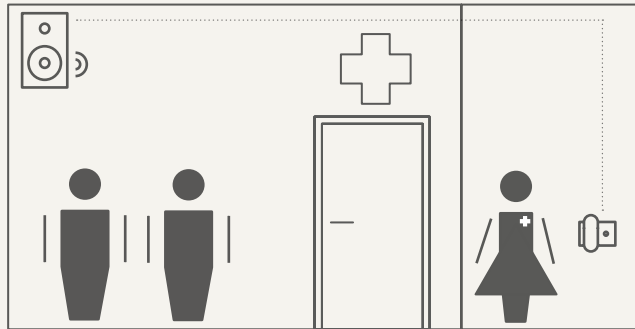
2N® SIP SPEAKER HORN

Outdoor IP speaker for live and preset announcements across large areas

Loudest IP based speaker on the market (SPLmax 124dB)

Seamless compatibility with video management software (VMS) and IP PBXs using ONVIF and SIP protocols

Easy installation with a single cable (PoE)



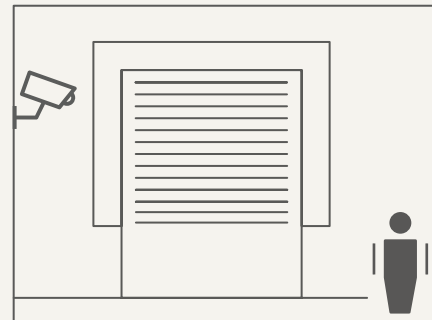
DOCTOR'S WAITING ROOM

It lets you play live or pre-recorded messages from an IP connected telephone. A nurse can thus easily make “next please” announcements and the like, right into the waiting room.



ANNOUNCEMENTS INTO PRODUCTION HALLS

Announcements into as many as 12 zones without having to install a server. You can broadcast specific content into individual zones or to the entire system.



LIVE ANNOUNCEMENTS FROM THE VMS

In case an uninvited visitor gets in, you can immediately respond with a live or preset message directly from the VMS and swiftly put off an intruder.

2N® SIP AUDIO



2N® SIP MIC

SIP based paging console for live or preset announcements

Announcements up to 12 zones using multicast support

Remote control of Door locks (or any 3rd party device) using http supported commands

Easy installation with a single cable (PoE)



2N® SIP AUDIO CONVERTER

SIP Audio to analogue audio converter

Seamless compatibility with video management software (VMS) and IP PBXs using ONVIF and SIP support

Broadcasting sounds from Cisco devices using Informacast support

Simple API for system integrators



Ordering numbers, Accessories and other information

2N® IP VERSO

2N® LTE VERSO

Main unit



1 button

- 9155101CB (with camera)
- 9155101B (without camera)
- 9155101C (with camera)
- 9155101 (without camera)

Main unit



1 button

Coming Soon

Frames



Flush installation 1 module

- 9155011B
- 9155011



Flush installation 2 modules

- 9155012B
- 9155012



Flush installation 3 modules

- 9155013B
- 9155013



Surface installation 1 module

- 9155021B
- 9155021



Surface installation 2 modules

- 9155022B
- 9155022



Surface installation 3 modules

- 9155023B
- 9155023

Extending modules



Touchscreen

9155036



Bluetooth reader

9155046



Fingerprint reader

9155045



Touch keypad

9155047



Touch keypad & RFID reader

Coming soon



Bluetooth & RFID reader

Coming soon



RFID reader

9155032 (125kHz)
9155033 (13,56MHz)
with NFC
9155040 (13,56MHz)
9155042
(13,56MHz secure)



Keypad

- 9155031B
- 9155031



5 buttons

9155035



Induction loop

9155041



Blind

9155039



Info panel

9155030



Tamper switch

9155038



I/O

9155034



Wiegand

9155037

2N® IP SOLO



9155301CS - surface mount
9155301CF - flush mount

9155301CBS - surface mount
9155301CBF - flush mount

2N® IP FORCE



1 button



1 button keypad



4 buttons



2 buttons card reader ready



1 button + pictograms card reader ready

With HD camera 9151101CHW
With camera 9151101CW
Without camera 9151101W

9151101CHKW
9151101CKW
9151101KW

9151104CHW
9151104CW
9151104W

9151102CHRW
9151102CRW
9151102RW

9151101CHRPW
9151101CRPW
9151101RPW

2N® IP BASE



9156111CB

2N® IP SAFETY



2 buttons - Info and SOS
10W speaker

9152102W



1 button
10W speaker

9152101W



Red emergency button 10W
speaker

9152101MW

Ordering numbers, Accessories and other information

2N® IP VARIO

2N® IP UNI

Module with display

Basic module



6 buttons + keypad



1 button



3 buttons



6 buttons



1 button + keypad



3 buttons + keypad



6 buttons + keypad



1 button pictograms



1 button



2 buttons

With camera
Without camera

9137160CKDU
9137160KDU

9137111CU
9137111U

9137131CU
9137131U

9137161CU
9137161U

9137111CKU
9137111KU

9137131CKU
9137131KU

9137161CKU
9137161KU

9153101P

9153101

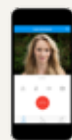
9153102

2N® INDOOR TOUCH

2N® MOBILE VIDEO



Black / White variant



Application available on

91378365 / 91378365WH

91378366 (With WiFi) / 91378366WH (With WiFi)



2N® ACCESS UNIT



RFID reader

916009 (125kHz)
916010 (13.56MHz)



Bluetooth reader

916013



Fingerprint reader

916019



Touch keypad

916016



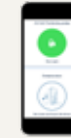
Bluetooth & RFID reader

Coming Soon



Touch Keypad & RFID reader

Coming Soon



Application available on



2N® ACCESS COMMANDER



Application available on

www.2n.cz

2N® ACCESS COMMANDER BOX



Coming Soon

Frames



Flush installation 1 module

● 9155011B
● 9155011



Flush installation 2 modules

9155012B
9155012



Surface installation 1 module

9155021B
9155021



Surface installation 2 modules

9155022B
9155022

● Black version
● Nickel version

Ordering numbers, Accessories and other information

Accessories

IP/LTE Verso

Boxes

Flush-mounting box for 1 module	9155014
Flush-mounting box for 2 modules	9155015
Flush-mounting box for 3 modules	9155016

Other

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

IP Vario

Extending modules

8 button extender	9135181E
16 button extender	9135182E
Infopanel	9135310E

Roofs and boxes

Roof for one module	9135331E
Roof for two modules	9135332E
Flush mount box for one module	9135351E
Flush mount box for two modules	9135352E
Roof and flush mount box for one module	9135361E
Roof and flush mount box for two modules	9135362E

Backplates

Backplate - 1 module	9155061
Backplate - 2 modules	9155062
Backplate - 3 modules	9155063
Backplate - 2(w) x 2(h) modules	9155064
Backplate - 3(w) x 2(h) modules	9155065
Backplate - 2(w) x 3(h) modules	9155066
Backplate - 3(w) x 3(h) modules	9155067

External Antenna for LTE Verso

External antenna	9155048
------------------	---------

Other

Infopanel name plate	9135311E
Name plate	9135301E
Double button name plate	9135302E
RFID card reader 125 kHz	9137430E
Additional switch	9137310E

IP Uni

Box for wall mounting	9153003
-----------------------	---------

IP Force

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
--	---------

IP Force + Safety

Additional switch + tamper switch	9151010
-----------------------------------	---------

Flush mount box	9151001
-----------------	---------

Flush mount box for mounting in plasterboard	9151002
--	---------

IP Safety

Frame	9152000
-------	---------

IP Base

125kHz Card Reader	9156030
--------------------	---------

13,56MHz RFID Card Reader reads UID	9156031
-------------------------------------	---------

Backplate	9156020
-----------	---------

IP Solo

Flush-mounting box	9155017
--------------------	---------

Backplate	9155068
-----------	---------

Licences

Indoor Touch

Presentation stand	91378382
--------------------	----------

Access Unit

External RFID reader 125kHz EMarine (USB interface)	9137420E
---	----------

External RFID reader 13,56MHz + 125kHz (USB interface)	9137421E
--	----------

External Bluetooth reader (USB interface)	9137422E
---	----------

External fingerprint reader (USB interface)	9137423E
---	----------

Indoor Touch

Unlocking licence for uploading apps	91378390
--------------------------------------	----------

Access Commander

Licence for 5 devices	91379040
-----------------------	----------

Licence for Attendance (+25 users)	91379041
------------------------------------	----------

LDAP licence	91379042
--------------	----------

Access Unit

NFC Licence	916012
-------------	--------

Ordering numbers, Accessories and other information

2N® SIP AUDIO



2N® SIP Speaker

914421B (white)
914421W (black)



2N® SIP Speaker Horn

914422E



2N® SIP Mic

914431E



2N® SIP Audio Converter

914401E
914490E
(set with speaker and microphone)

Accessories

2N® SIP Speaker Horn Power Supply (24V EU plug) 914423E

Licence

2N® SIP Audio + IP Intercom Informacast license 9137910

Other Accessories

Electrical strikes

Electrical strike 11211 12V/230mA DC	932071E
Electrical strike 11221 hold-open 12V/230mA DC	932081E
Electrical strike 11211MB mechanical blocking 12V/230mA DC	932091E
Electrical strike 31211 fail-safe 12V/170mA	932072E
Electrical strike 211211 door signalling 12V/230mA	932061E
Electrical strike 321211 fail-safe, door signalling 12V/170mA	932062E

Other Licences

Licence for G.729	9137902
Enhanced Audio	9137905
Enhanced Video	9137906
Enhanced Integration	9137907
Enhanced Security	9137908
Gold	9137909
Licence Informacast	9137910
Licence NFC	9137915

IP videophones

IP telephone Yealink SIP T58A	91378360
-------------------------------	----------

RFID tags (for Verso, Vario and Force)

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

External card reader RFID

External card RFID 125 kHz EMarine	9137420E
External card RFID 13,56 MHz	9137421E
External card reader Wiegand 125 kHz EMarine RFID	9159030
External card reader Wiegand 13,56 MHz Mifare RFID	9159031

Other

External antenna for Induction Loop module	9155043
2N* IP Verso connection cable - 3m long	9155054
2N* IP Verso connection cable - 5m long	9155055
2N* IP Security Relay	9159010
2N* IP Wiegand	9159011
2N* Induction Loop	9159050
External antenna	9159051
Power supply 12V/1A	9159052
2N* 2Wire (plug EU/US/UK)	9159014EU 9159014US a 9159014UK
Exit button	9159013
IP relay - 1 output	9137410E
IP relay - 4 output	9137411E
Magnetic contact	9159012
Power supply 12V/2A	91341481E
Transformer	932928
PoE Injector (EU/US plug)	91378100E a 91378100US



TELEPHONY



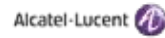
ACCESS CONTROL



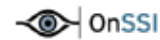
VIDEO MANAGEMENT SYSTEMS



HOME AUTOMATION



milestone



SAVANT



SIP

WIEGAND

ONVIF S

SIP AND HTTP(S)
API



An Axis company

2N TELEKOMUNIKACE a.s.



www.2n.cz



+420 261 301 500



sales@2n.cz



2N Telekomunikace a.s.
Modřanská 621 / 72
143 01 Prague 4, Czech Republic