OPEN THE DOOR TO INNOVATION

2N IP INTERCOMS, IP ACCESS & SIP AUDIO SYSTEMS





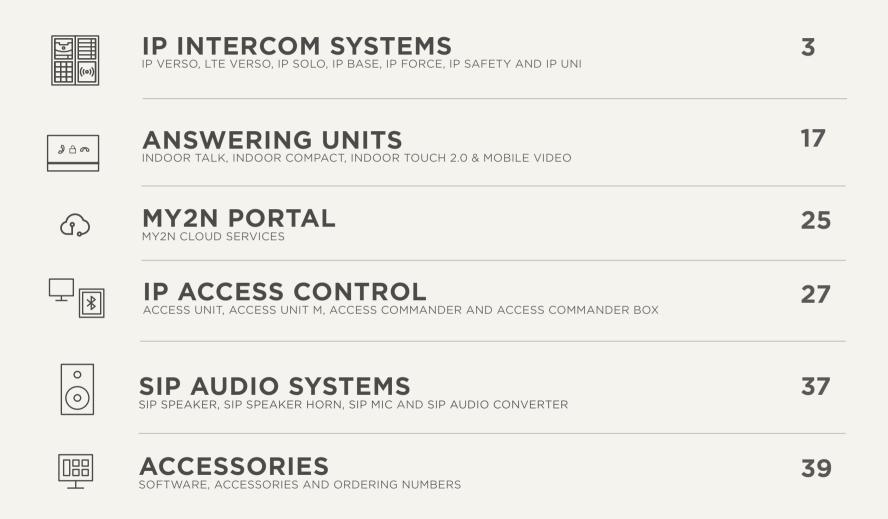
"For 29 years 2N has been on the forefront of access control and telecommunications. We take care to stay on the leading edge with our products, the R&D behind them, and the way we service our customers. We are proud of our growth on global markets and are now number one in IP intercoms."





"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."





2N° IP VERSO

Modular intercom configurable to meet your needs

Bluetooth technology ensures access control to the facility

Intuitive touch display for outdoor application within up to 10,000 contacts in the structured list

Wide-angle HD camera with infrared light and night vision



Easy integration with IP telephone systems using SIP protocol support

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

 $2N^{\circ}$ Mobile Video calls on your mobile phone

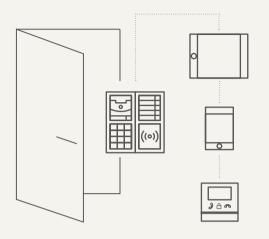
RFID smart card reader with NFC support





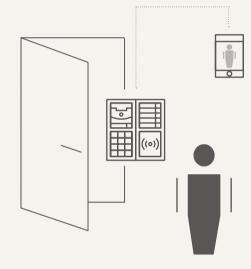






HD VIDEO

The intercom's integrated HD camera can send quality images to camera systems, mobile devices or the $2N^{\circ}$ Indoor Touch 2.0 and $2N^{\circ}$ Indoor Compact.



NIGHT VISION

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



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.

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



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 application

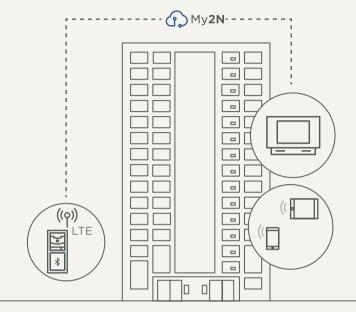
Option of combination with IP intercoms in one solution





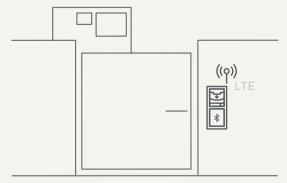






RESIDENTIAL BUILDING RETROFIT

 $2N^{\circ}$ LTE Verso is an ideal solution for installations where by using LTE connection and $2N^{\circ}$ Mobile Video service it offers a full solution for apartment building communication without the need for wired infrastructure.



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.

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 Surveilance System

2N® Mobile Video calls on your mobile phone

Easy integration into the home automation system

Luxury IP intercom with flush or wall mounting options





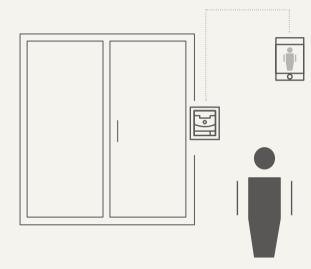






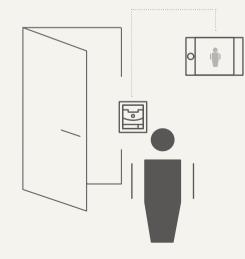
HOME AUTOMATION

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

Durable aluminium frame in various colours

Excellent audibility in all conditions

Package includes one and two button versions



Inputs and outputs for the connection of electric locks or other accessories

Integration with VMS systems

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

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

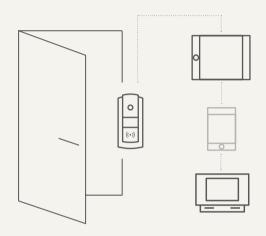






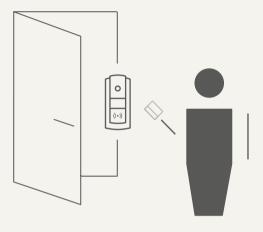
IK7

40°C to 55°C



VIDEO CALLS ON VARIOUS DEVICES

An integrated HD camera ensures high quality video calls on mobile devices, 2N[®] Indoor Touch 2.0 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 audability in loud environments

Integration with IP camera systems through 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

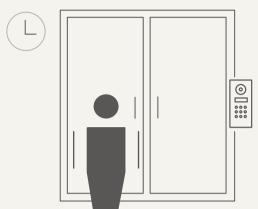






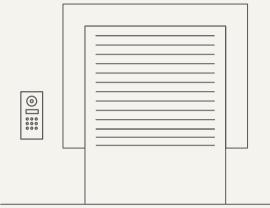






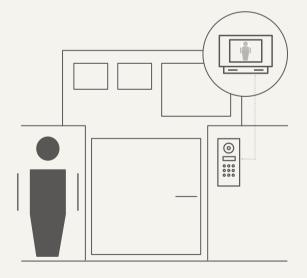
SCHOOL BUILDING SECURITY

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



SUPPLY ENTRY AND GROUNDS PROTECTION

In logistics areas no service ramp will be left unprotected.



HOME GUARDIAN

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

2N° IP SAFETY

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

Distinctive orange colour makes the intercom highly visible in emergency situations

10W loudspeaker for good audability in loud environment

Easy integration with IP telephone systems using SIP protocol support



Integrates with external IP cameras for video calls

Durable buttons backlit in a distinctive blue

Highly durable aluminum housing

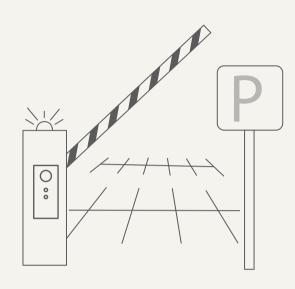
The tamper switch detects forcible opening of the intercom





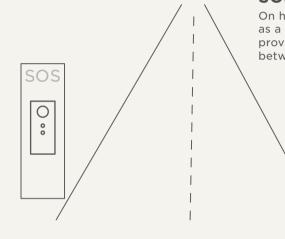






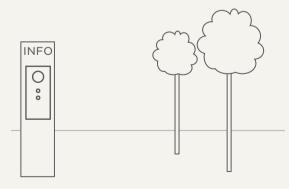
HIGHLY VISIBLE ASSISTANT AT PARKING LOTS

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

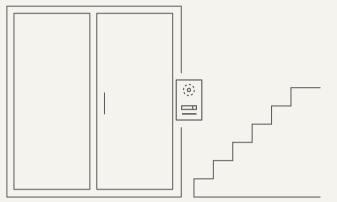
Easy integration with IP telephone systems using SIP protocol support









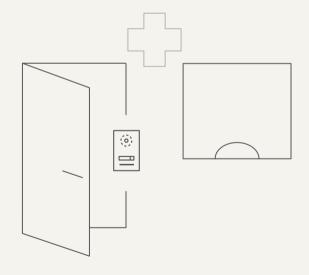


EASY COMMUNICATION IN OFFICES

For service 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.



2N° INDOOR TALK

HD quality audio with superb clarity and suppression of background noise

Communication with visitors and the receptionist

Elegant design and superior workmanship with the highest quality components

Unique flush mount box used for the installation of 2N answering units*



Remote configuration and management suitable for residential complexes

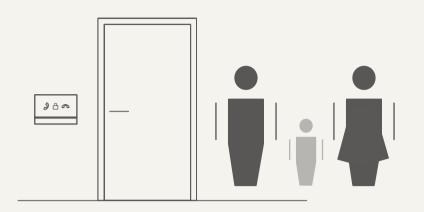
10 ringtones with adjustable volume

Parental lock to prevent unwanted touching of buttons

Connection of a doorbell button from the entrance door to the flat

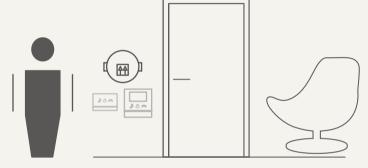


*2N" Indoor Talk, 2N" Indoor Compact



INTUITIVE UNIT FOR THE WHOLE FAMILY

The 2N® Indoor Talk is an elegant unit with intuitive control. You accept a call from the 2N IP intercom by pressing the green telephone button and open the door by pressing the lock button. Setting the volume or do not disturb mode is just as easy.



VARIABILITY THANKS TO THE METHOD OF INSTALLATION

With the unified installation box, installation is not only quick and precise, but also enables the easy replacement of answering units (a video unit for an audio unit) without any additional masonry work.



CONNECTION OF A DOORBELL BUTTON

You can connect the doorbell button by the door to your flat directly to the 2N answering units. As soon as a visitor presses this, the unit will play a different ringtone to a call from the main entrance.

2N° INDOOR COMPACT

4.3" display for video communication with visitors

Capacitive buttons located next to the display

Unique flush mount box used for the installation of 2N answering units*

Remote management and configuration via the My2N portal

Home screen displays the time and date



Missed calls logs supplemented by a sequence of images from the IP intercom

Switching between video from the IP intercom and an external IP camera

Parental lock activated and deactivated using a code

Dedicated button to call the lift from the comfort of your apartment

Induction loop output for the hearing impaired

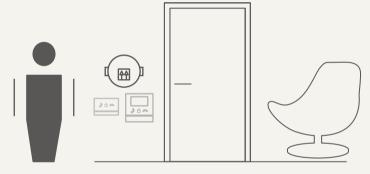


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VIDEO UNIT FOR EVERY APARTMENT

With the 2N® Indoor Compact unit, you can always see who is calling from the intercom in front of the building. Talk to your visitor and open the door for them from the comfort of





ALWAYS KNOW WHO HAS ENTERED THE BUILDING

By switching between video from the intercom camera and an external IP camera, you can easily make sure that it really is just the visitor you saw from the IP intercom who entered the building or lift.

VARIABILITY THANKS TO THE METHOD OF INSTALLATION

With the unified installation box, installation is not only quick and precise, but also enables the easy replacement of answering units (a video unit for an audio unit) without any additional masonry work.

2N° INDOOR TOUCH 2.0

Luxury design and high-tech processing

7" touchscreen

HD quality audio and video communication

Easy installation and remote administration via web interface



Video monitoring of 2N IP intercoms

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

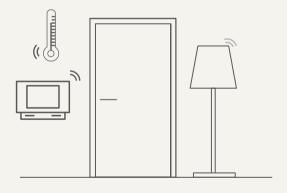
Switching between video from the IP intercom and an external IP camera

Home automation integration using OS Android support



COMMUNICATE IN STYLE

You can use $2N^{\circ}$ Indoor Touch 2.0 in your apartment or house as an answering station or to monitor what is happening at your door.



HOME AUTOMATION

Use 2N* Indoor Touch 2.0 as a control panel for home automation applications. Set your preferable temperature at home, pull down the blinds or play your favourite song.

2N° MOBILE VIDEO

Video calls on you 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

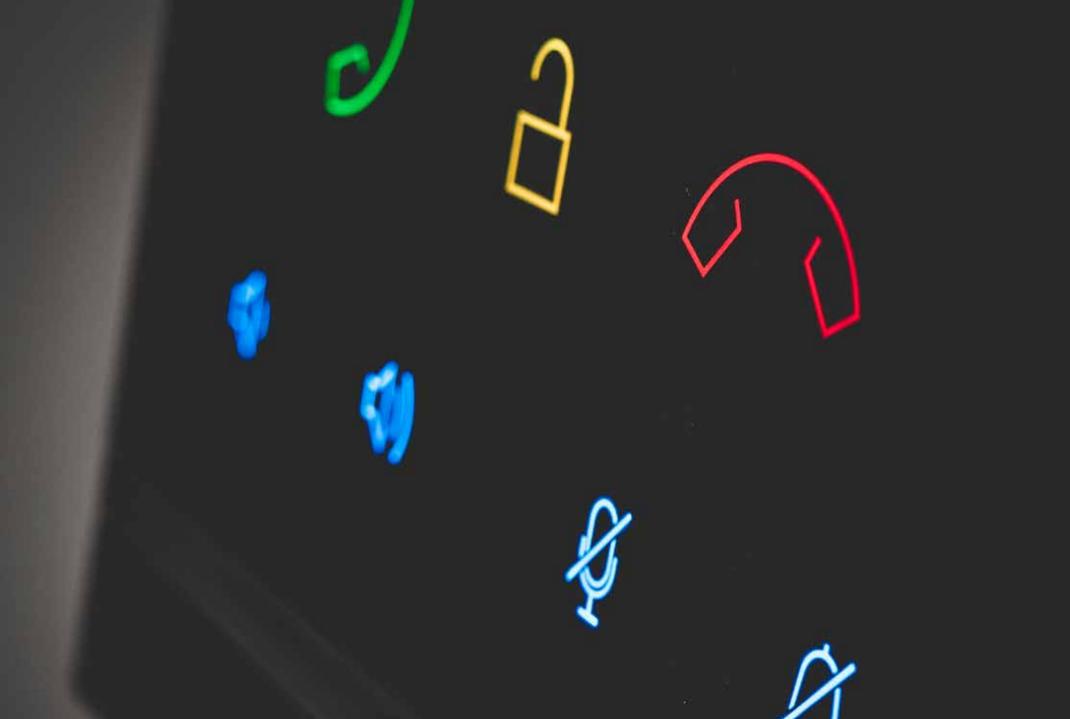
Video preview before call pick-up

Easy configuration and remote administration via My2N.com portal

Calls to multiple 2N answering units and IP phones at the same time

Missed calls log supplemented by a sequence of images of the caller





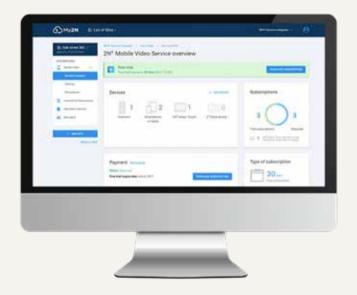
MY2N PORTAL

Professional cloud platform based on Amazon AWS

Portal accessible from all over the world

Bulk configuration of a large number of devices

Monitoring of connected devices 24/7



Administration of several different installations from one account

Secure solution with encrypted communication

Modern SW architecture based on microservices

Partner API for integration with other systems



MY2N CLOUD SERVICES



2N® MOBILE VIDEO

Cloud SIP proxy for video calls from IP intercoms

Push notification ensuring waking up of the mobile phone for every incoming call

Support of various SIP devices



2N® REMOTE CONFIGURATION

Remote configuration of 2N devices free of charge over the Internet

Immediate customer assistance without the need for on-site presence

Secure communication without any configuration of network components



2N® PARTNER API

Uniform interface for configuration of all 2N devices over the Internet

Connection of third-party mobile applications with the 2N® Mobile Video service

Display of the web configuration interface of 2N devices in your system

2N ACCESS UNIT

Combination of a door controller and reader

Ethernet cable for communication and power (PoE)

Connectors for connecting a strike, exit button and door contact directly to the unit

Tamper switch detects forcible opening of the unit

Connection of add-on modules for double-sided door security



Luxury design to match IP intercoms

Surface and flush installation of the unit, in black or nickel color

Memory for 10,000 users with various types of access credentials

Bulk administration of access rules via 2N® Access Commander

2N® Remote Configuration cloud service for remote administration









2N ACCESS UNIT



2N® ACCESS UNIT 2.0 RFID

Multi-frequency RFID card reader (125kHz and 13.56MHz)

Open doors using a phone with Android OS supporting NFC

Terminal for recording employee attendance



2N® ACCESS UNIT 2.0 TOUCH KEYPAD & RFID

Multi-frequency RFID card reader (125kHz and 13.56MHz)

Multi-factor authentication of users in areas with enhanced security

Activation of a silent alarm in the event of danger



2N® ACCESS UNIT 2.0 BLUETOOTH & RFID

Open doors using a phone with the 2N® Mobile Key app (mobile credentials for free)

Various modes for opening doors with adjustable distances

Multi-frequency RFID card reader (125kHz and 13.56MHz)

2N ACCESS UNIT



2N® ACCESS UNIT BLUETOOTH

Open doors using a phone with the 2N® Mobile Key app (mobile credentials for free)

Encrypted, secure communication between the phone and the unit

Simple and safe process of pairing a phone with the unit



2N® ACCESS UNIT FINGERPRINT READER

Quick fingerprint recognition and evaluation

Optical touch sensor adapted for outdoor use

Detection of false fingerprints

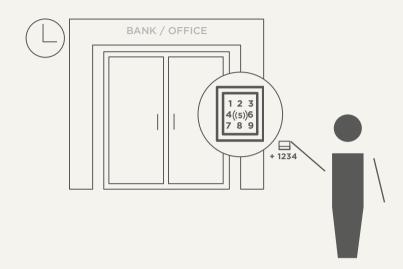


2N® ACCESS UNIT TOUCH KEYPAD

Touch keypad for entry of user's PIN code

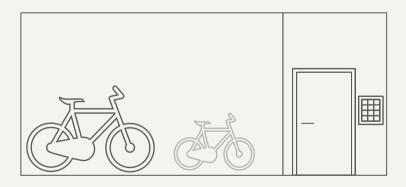
Automatic calibration preventing detection of false touches (e.g. raindrops)

Adjustable intensity of keypad backlighting



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.



PROTECT THE ENTRANCE TO COMMUNAL PARTS OF THE BUILDING

Protect your property stored in the communal parts of an apartment building. Allow only authorised persons with their own PIN code access.

2N ACCESS UNIT M

Access unit based purely on IP technology

Pigtail for simple connection of an Ethernet cable also ensuring power (PoE)

Narrow design suitable for installation on a door frame

Adapted for installation on various surfaces (metal, glass, brick)

Toughened glass on the front of the unit guarantees a resistance to scratches



Multi-frequency RFID card reader (125kHz and 13.56MHz)

Pigtail for connection of inputs and outputs

Suitbale for both indoor or outdoor installation

Elegant design for the office environment

Remote configuration and administration via 2N® Access Commander or 2N® Remote Configuration







2N ACCESS UNIT M



Seamless transition from unsecured to secured smart cards

Open doors using a phone with Android OS supporting NFC

Terminal for recording employee attendance



Open doors using a phone with the 2N® Mobile Key app (mobile credentials for free)

Various modes for opening doors with adjustable distances

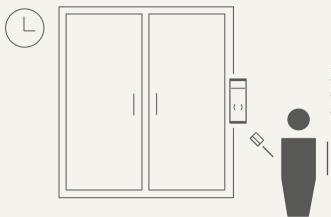
Encrypted, secure communication between the phone and the unit



Touch keypad with adjustable backlight intensity

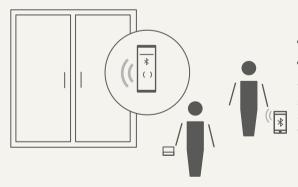
Audio and visual response to every touch

Multi-factor authentication of users in areas with enhanced security



ATTENDANCE SYSTEM

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



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

2N° ACCESS COMMANDER

Box

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*



Software pre-installed and distributed on mini-PC

"Plug and play" solution - only the power suply and network required

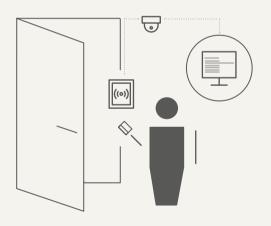
Advanced monitoring of the status of all connected devices with notifications*

Access logs and alarm notifications with snapshots of the visitors*



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' attendace 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.

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)



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)



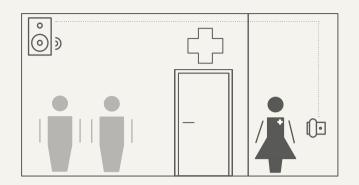
2N[®] SIP AUDIO CONVERTER

SIP Audio to analogue audio converter

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

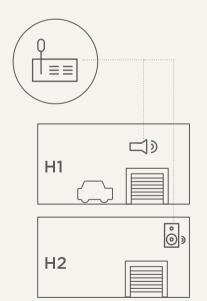
Broadcasting sounds from Cisco devices using Informacast support

Simple API for system integrators



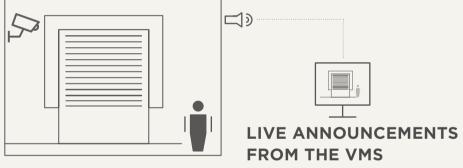
DOCTOR'S WAITING ROOM

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



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

2N® IP VERSO 2N® LTE VERSO Main unit Main unit Frames 1 button 1 button Flush installation Flush installation Flush installation Surface installation Surface installation Surface installation 1 module 2 modules 3 modules 3 modules 1 module 2 modules

9155011B

9155011

9155012B

9155012

9155013B

9155013

9155021B

9155021

9155022B

9155022

Extending modules

9155101CB (with camera)

9155101B (without camera)

9155101C (with camera) 9155101 (without camera) 9155401CB-E

9155401C-E



9155023B

9155023

2N® IP SOLO

2N® IP FORCE



Nickel 9155301CS - surface mount 9155301CF - flush mount Black



1 button



1 button, keypad



4 buttons



2 buttons, card reader ready



1 button, pictograms, card reader ready

9155301CBS - surface mount 9155301CBF - flush mount

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

9151101CHKW 9151101CKW 9151101KW

9151104CHW 9151104CW 9151104W

9151102CHRW 9151102CRW 9151102RW

9151101CHRPW 9151101CRPW 9151101RPW

2N® IP BASE











Light Gray







2N® IP SAFETY



10W speaker



Red emergency button, 10W speaker

9156111CB

Coming soon

Coming soon

Grey

Frames for 2N® IP Base

Coming soon

Silver Coming soon

Blue Coming soon

10W speaker 9152102W

9152101W

9152101MW

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



With camera Without camera 9137160CKDU 9137160KDU

9137111CU 9137111U

9137131CU 9137131U

9137161U

9137161CU

9137111CKU 9137111KU

9137131CKU 9137131KU

9137161CKU 9137161KU

9153101P

9153101

2 buttons

9153102

2N® INDOOR TALK

2N® INDOOR TOUCH 2.0

2N® INDOOR COMPACT

2N® MOBILE VIDEO



Black / White variant



Black / White variant



Black / White variant



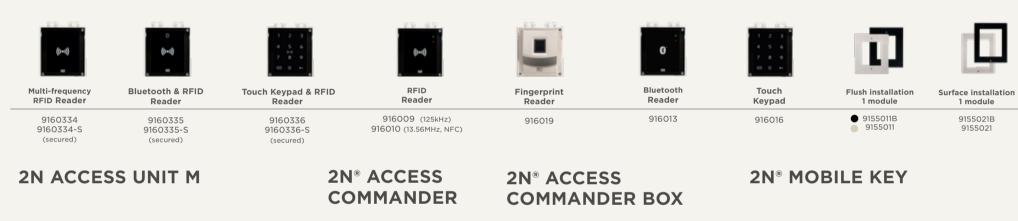
Application available

91378401 / 91378401WH

91378375 / 91378375WH 91378376 / 91378376WH (WiFi) 91378501 / 91378501WH



2N ACCESS UNIT 2.0 2N ACCESS UNIT Frames





Accessories

IP/LTE Verso		IP/LTE Verso		IP Force		IP Safety	
Boxes		Backplates		125 kHz RFID card reader + tamper switch	9151041	Frame	9152000
Flush-mounting box for 1 module	9155014	Backplate - 1 module	9155061	13,56 MHz card reader NFC ready		IP Base	
Flush-mounting box for 2 modules	9155015	Backplate - 2 modules	9155062	+ tamper switch	9151031	125kHz Card Reader	9156030
Flush-mounting box for 3 modules	9155016	Backplate - 3 modules	9155063	Secured card reader NFC ready 13.56MHz	9151031S	13,56MHz RFID Card Reader reads UID	9156031
Other		Backplate – 2(w) x 2(h) modules	9155064	IP Force + Safety		Backplate	9156020
Extension cable - 1 m long	9155050	Backplate - 3(w) x 2(h) modules	9155065	Additional switch + tamper switch	9151010	IP Solo	
Extension cable - 3 m long	9155054	Backplate – 2(w) x 3(h) modules	9155066	Flush mount box	9151001	Flush-mounting box	9155017
Extension cable – 5 m long	9155055				9151001		
Blind button	9155051	Backplate - 3(w) x 3(h) modules	9155067	Flush mount box for mounting in plasterboard	9151002	Backplate	9155068
Blind button black	9155051B	External Antenna for LTE Verso				I	
Nametag foil	9155052	External antenna	9155048			Licences	
IP Vario		IP Vario				Access Commander	
Exten ding modules		Other		Indoor Touch 2.0			
8 button extender	9135181E			Desk stand	91378382	Licence for 5 devices	91379040
		Infopanel name plate	9135311E	Indoor Talk / Compact		Licence for attendance (+25 users)	91379041
16 button extender	9135182E	Name plate	9135301E	Installation box	91378800		
Infopanel	9135310E	Double button name plate	9135302E	Desk stand	coming soon	Integration license (LDAP, sync)	91379042
Roofs and boxes		RFID card reader 125 kHz	9137430E	Access Unit	3	Access Unit	
Roof for one module	9135331E	Additional switch	9137310E			NFC licence	916012
Roof for two modules	9135332E			External RFID reader 125kHz EMarine (USB interface)	9137420E		
Flush mount box for one module	9135351E	IP Uni		External RFID reader 13.56MHz + 125kHz (USB interface)	9137421E		
Flush mount box for two modules	9135352E	Box for wall mounting	9153003				
Roof and flush mount box for one module	9135361E			External Bluetooth reader (USB interface)	9137422E		
Roof and flush mount box for two modules	9135362E			Future I fire a survivat and dev			

External fingerprint reader (USB interface)

2N® SIP AUDIO



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					
Enhanced Audio	9137905				
Enhanced Video	9137906				
Enhanced Integration	9137907				
Enhanced Security	9137908				
Gold	9137909				
Informacast	9137910				
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				
External Bluetooth reader (USB interface)	9137422E				
External fingerprint reader (USB interface)	9137423E				
External reader secured 125kHz + 13.56MHz (USB)	9137424E				

Other	
External antenna for Induction Loop module	9155043
$2N^{\ast}$ IP Verso connection cable - 3m long	9155054
$2N^{\scriptscriptstyle \otimes}$ 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



















































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