OPEN THE DOOR TO INNOVATION

2N IP INTERCOMS, IP ACCESS & SIP AUDIO SYSTEMS





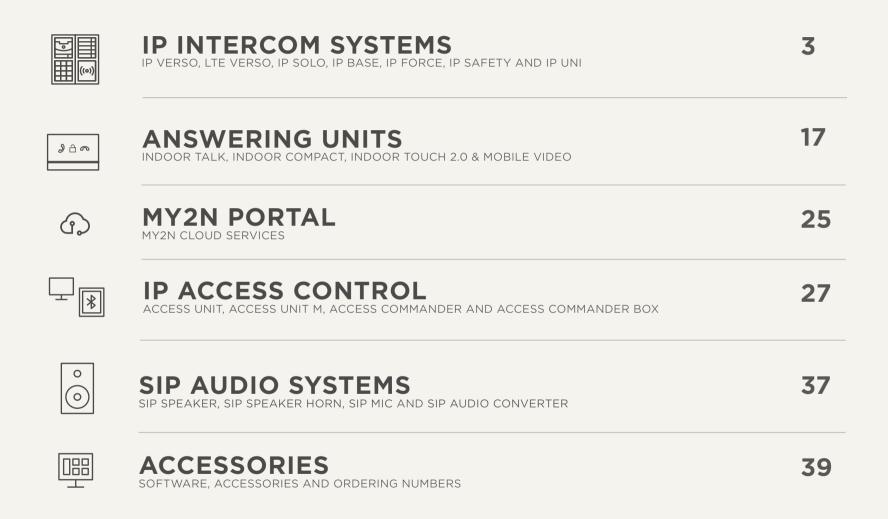
"For 28 years 2N has been on the forefront of access control and telecommunications. We take care to stay on the leading edge with our products, the R&D behind them, and the way we service our customers. We are proud of our growth on global markets and are now number one in IP intercoms."





"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

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

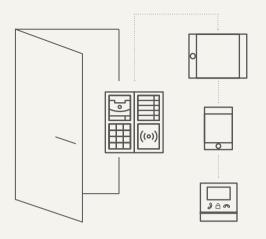
RFID smart card reader with NFC support





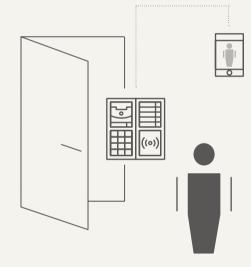






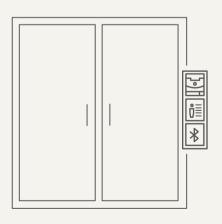
HD VIDEO

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

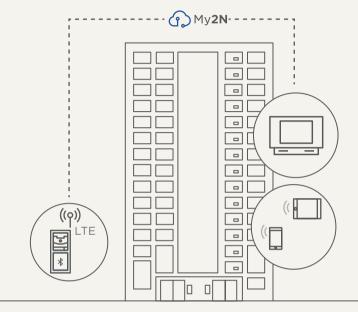
Option of combination with IP intercoms in one solution





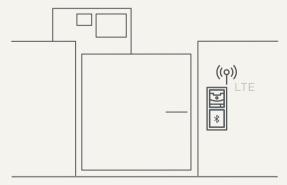






RESIDENTIAL BUILDING RETROFIT

 $2N^{\circ}$ 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







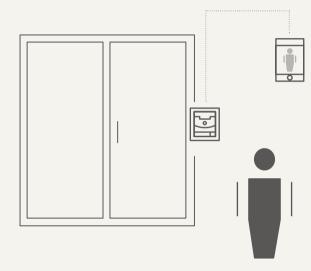






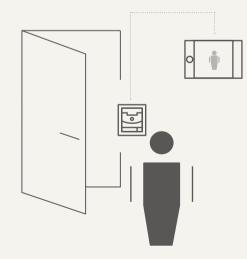
HOME AUTOMATION

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

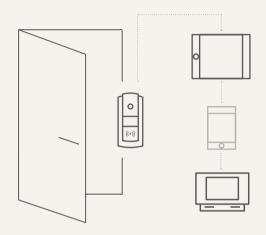






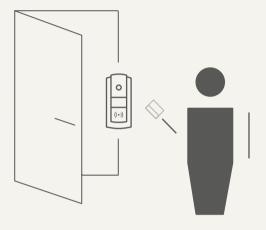
P65

-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







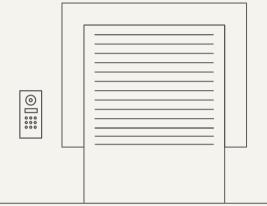






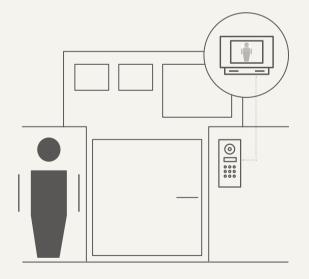
SCHOOL BUILDING SECURITY

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

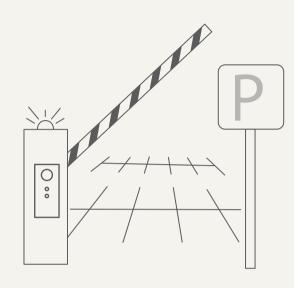
The tamper switch detects forcible opening of the intercom





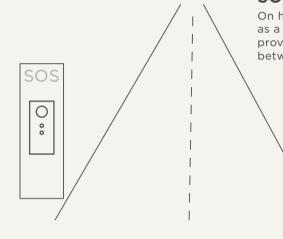






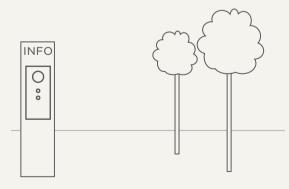
HIGHLY VISIBLE ASSISTANT AT PARKING LOTS

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

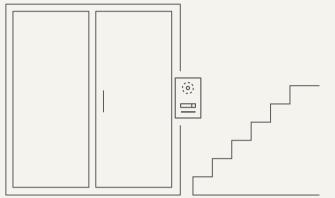
Easy integration with IP telephone systems using SIP protocol support









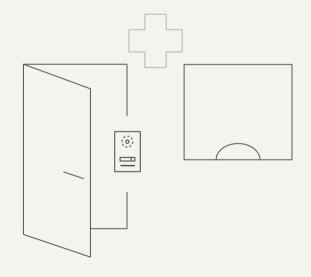


EASY COMMUNICATION IN OFFICES

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

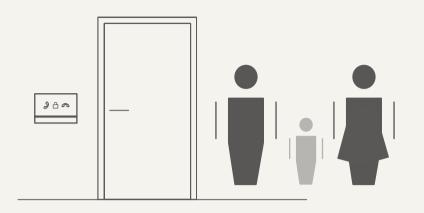
10 ringtones with adjustable volume

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

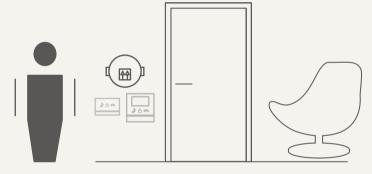


19



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

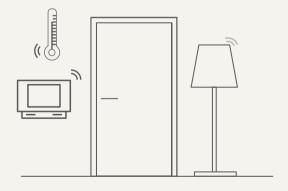
Home automation integration using OS Android support

The previous 2N® Indoor Touch model is still on offer



COMMUNICATE IN STYLE

You can use 2N® 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

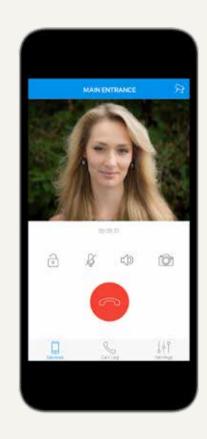
Video calls on you mobile phone

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

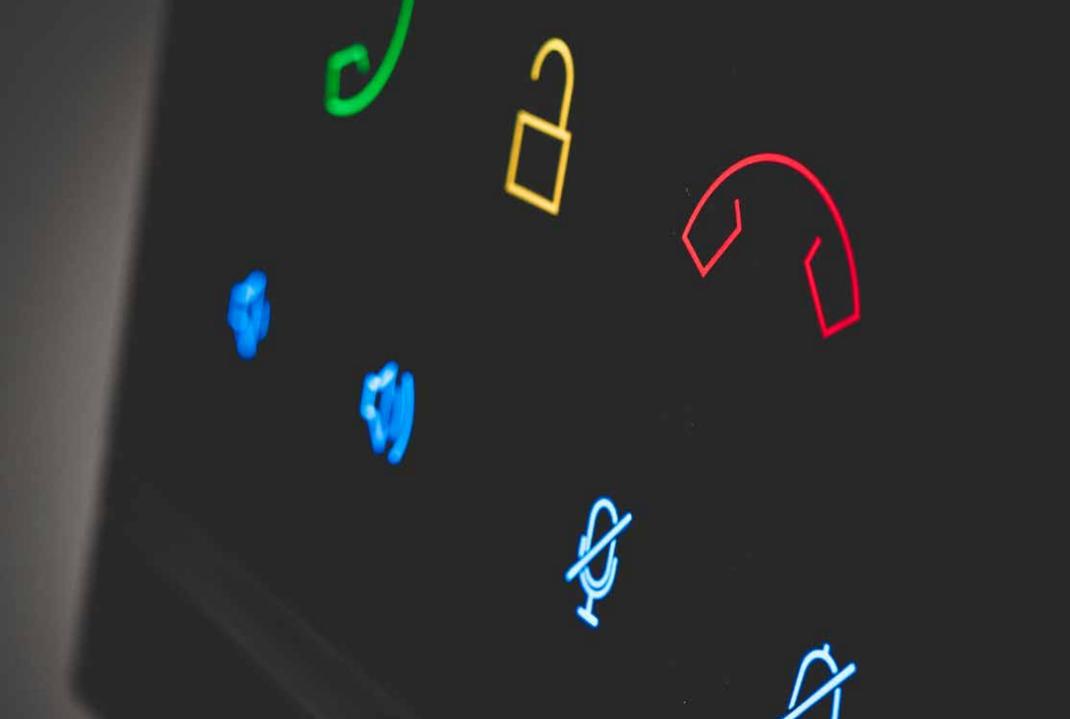
Video preview before call pick-up

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





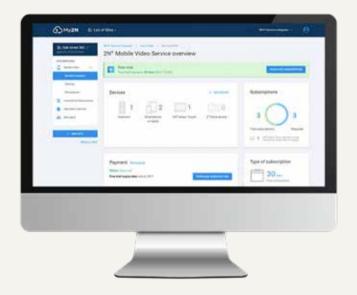
MY2N PORTAL

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 lock, 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

Remote configuration of units via the 2N® Remote Configuration cloud service









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

Quick fingerprint recognition and evaluation

Optical touch sensor adapted for outdoor use

Detection of false fingerprints

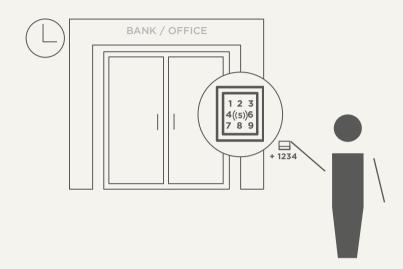


2N® ACCESS UNIT TOUCH KEYPAD

Touch keypad for entry of user's PIN code

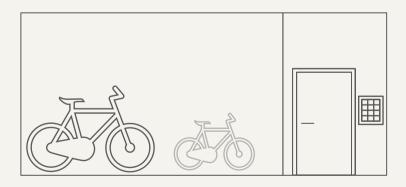
Automatic calibration preventing detection of false touches (e.g. raindrops)

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



2N® ACCESS UNIT M RFID

Seamless transition from unsecured to secured smart cards

Open doors using a phone with Android OS supporting NFC

Terminal for recording employee attendance



2N® ACCESS UNIT M 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

Encrypted, secure communication between the phone and the unit

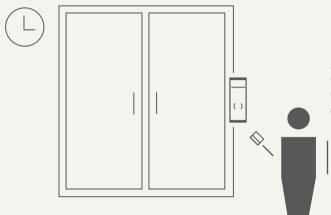


2N® ACCESS UNIT M TOUCH KEYPAD & RFID

Touch keypad with adjustable backlight intensity

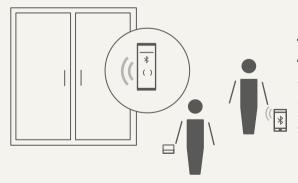
Audio and visual response to every touch

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

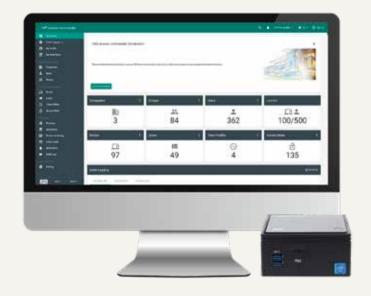
Box

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

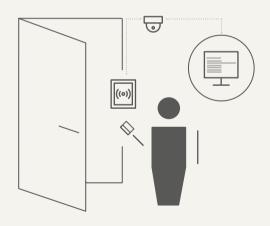
Advanced monitoring of the status of all connected devices with notifications*

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)



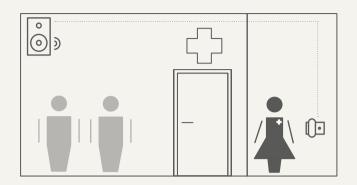
2N[®] SIP AUDIO CONVERTER

SIP Audio to analogue audio converter

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

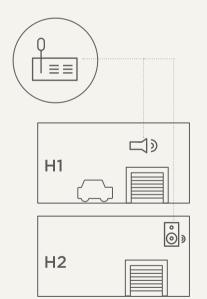
Broadcasting sounds from Cisco devices using Informacast support

Simple API for system integrators



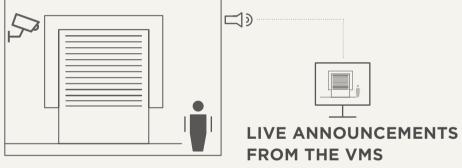
DOCTOR'S WAITING ROOM

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 Frames Frames Flush installation Surface installation Surface installation Surface installation

1 module

01279-001

01278-001

2 modules

01281-001

01280-001

3 modules

01283-001

01282-001

1 module

01288-001

01287-001

Extending modules

Coming soon

01274-001 (with camera)

01272-001 (without camera)

01273-001 (with camera) 01271-001 (without camera)



3 modules

01292-001

01291-001

2 modules

01290-001

01289-001

2N® IP SOLO

2N® IP FORCE







1 button









01301-001 - surface mount 01300-001 - flush mount

01302-001 - surface mount 01303-001 - flush mount

With HD camera 01337-001 Without camera 01336-001

keypad 01339-001 01338-001

01343-001 01342-001

4 buttons

2 buttons card reader ready 01340-001 01341-001

1 button + pictograms card reader ready 01334-001 01335-001

2N® IP BASE



Frames for 2N® IP Base



Silver





2N® IP SAFETY









Red emergency button 10W

01357-001

Grey Coming soon

01354-001

10W speaker 01353-001

1 button

speaker 01355-001

2N® IP VARIO 2N® IP UNI

Module with display

Basic module



6 buttons + keypad 01319-001 01312-001



1 button 01313-001 01306-001



3 buttons 01314-001 01307-001



6 buttons 01315-001 01308-001





1 button + keypad 3 buttons + keypad 6 buttons + keypad





1 button pictograms





1 button



2 buttons

01316-001 01309-001

01317-001 01310-001

01318-001 01311-001

01361-001

01362-001

01363-001

2N® INDOOR TALK

With camera

Without camera

2N® INDOOR TOUCH

2N® INDOOR COMPACT

2N® MOBILE VIDEO



Black / White variant



Black / White variant



Black / White variant



Application available

01698-001 / 01699-001

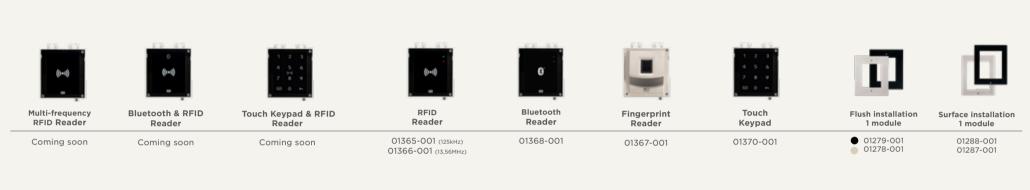
01416-001 / 01417-001 01419-001 / 01420-001 (Wi-Fi)

2N° Indoor Touch 2.0 - Coming soon

Coming soon



2N ACCESS UNIT 2.0 2N ACCESS UNIT Frames





Apple Store

Accessories

		IP/LTE Verso					
IP/LTE Verso		Backplates		IP Force		IP Safety	
Boxes		Backplate – 1 module	01293-001	125 kHz RFID card reader + tamper switch	01344-001	Frame	01356-001
Flush-mounting box for 1 module	01284-001	· ·		·	01344-001	IP Base	
Flush-mounting box for 2 modules	01285-001	Backplate – 2 modules	01294-001	13,56 MHz card reader NFC ready + tamper switch	01346-001	125kHz Card Reader	01358-001
•		Backplate - 3 modules	01295-001	Secured card reader NFC ready 13.56MHz	01730-001	13.56MHz RFID Card Reader	01359-001
Flush-mounting box for 3 modules	01286-001	Backplate - 2(w) x 2(h) modules	01296-001			reads UID	01339-001
Other		Backplate - 3(w) x 2(h) modules	01297-001	IP Force + Safety		Backplate	01360-001
Extension cable – 1 m long	01267-001	Backplate – 2(w) x 3(h) modules	01298-001	Additional switch + tamper switch	01350-001	IP Solo	
Extension cable - 3 m long	01268-001	Backplate - 3(w) x 3(h) modules	01299-001	Flush mount box	01348-001	Flush-mounting box	01304-001
Extension cable - 5 m long	01269-001			Flush mount box for mounting	0.0.0	Backplate	01305-001
Blind button	01270-001	Gang Plate - 1 Module	01524-001	in plasterboard	01349-001	Backplate	01303-001
		Gang Plate - 2 Modules	01525-001				
		External Antenna for LTE Verso				Licences	
		External antenna	Coming soon				
IP Vario				Indoor Touch 2.0		Indoor Touch 2.0	
Exten ding modules				muoor rouch 2.0		Unlocking licence for uploading	
8 button extender	01320-001	IP Vario		Presentation stand black/white	01425-001 01426-001	apps	01418-001
16 button extender	01321-001	Other		Indoor Talk / Compact		Access Commander	
Infopanel	01322-001	Infopanel name plate	01331-001	Installation box	01700-001	Licence for 5 devices	01372-001
Roofs and boxes			01329-001	Access Unit		Licence for Attendance	01373-001
Roof for one module	01323-001	Name plate		External RFID reader 125kHz	01399-001	(+25 users)	01373-001
Roof for two modules	01324-001	Double button name plate	01330-001	EMarine (USB interface)	01333-001	LDAP Licence	01374-001
		RFID card reader 125 kHz	01333-001	External RFID reader 13.56MHz + 125kHz (USB interface)	01400-001	Access Unit	
Flush mount box for one module	01325-001	Additional switch	01332-001			NFC Licence	01369-001
Flush mount box for two modules	01326-001			External Bluetooth reader	01402-001		
Roof and flush mount box for one module	01327-001	IP Uni		(USB interface)			
Roof and flush mount box for two modules	01328-001	Box for wall mounting	01364-001	External fingerprint reader (USB interface)	01401-001		

2N® SIP AUDIO



Accessories

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

01435-001

Other accessories

Other Licences	
Enhanced Audio	01376-001
Enhanced Video	01377-001
Enhanced Integration	01378-001
Enhanced Security	01379-001
Gold	01380-001
Licence Informacast	01381-001
Licence NFC	01382-001

IP videophones	
IP telephone Yealink SIP T58A	01586-001
RFID tags (for Verso, Vario and Force)	
Card EMarine RFID 125 kHz	01395-001
Key EMarine RFID 125 kHz	01396-001
Card Mifare RFID 13,56 MHz	01384-001
Key Mifare RFID 13,56 MHz	01385-001
External card reader RFID	
External card RFID 125 kHz EMarine (USB)	01399-001
External card RFID 13,56 MHz /125kHz (USB)	01400-001
External Secured RFID Card Reader 125kHz + 13.56MHz with NFC (USB)	01527-001
External card reader Wiegand 125 kHz EMarine RFID	01389-001
External card reader Wiegand 13,56 MHz Mifare RFID	01390-001

Other External antenna for Induction Loop 01265-001 module 01386-001 2N® IP Security Relay 2N® Wiegand Isolator 01387-001 2N® Induction Loop 01391-001 01392-001 External antenna Power supply 12V/1A 01393-001 2N® 2Wire US 01404-001 01397-001 IP relay - 1 output IP relay - 4 output 01398-001 Magnetic contact 01388-001 PoE Injector (EU/US plug) 01403-001



















































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