2N® IP Force
2N IP Intercoms

2N® IP Force

2N® IP Force is an extremely durable IP intercom that can withstand even the most demanding conditions. It provides for visitor communication monitoring and access control. Take advantage of its superior features for maximum site security.

Suitable For

Logistics and transport	State administration
Offices	Public buildings
Industrial zones	Airport and parking
Schools and campuses	

The toughest IP intercom

It combines an anti-vandal solution with an elegant design. High durability guarantees the highest coverage on the market according to the IP69K and IK10 standards.

Wide-angle HD camera

Monitor events around the intercom with the integrated HD camera. It has 135°wide viewing and a night vision mode.

Robust Access Control

Control access using the reader, keypad, or the integrated camera and achieve a greater level of security for all those on the location.

2N® IP Force

FEATURES & BENEFITS

SIP support with no server needed
SIP protocol support makes it easy to link the intercom with IP phones and PBX from other producers, without having to connect to the server.

Security relay
This simple additional device prevents intrusion by detecting any unauthorized manipulation of the electronic locking system.

Picture to email
2N® IP Force allows you to email snapshots of the visitor captured by the camera at the time of the call.

Integration to the security system
Easily link the intercom to the existing security system and increase site security.

Calls to mobile and tablet
2N® IP Force can call a mobile phone or tablet, over the local network via wi-fi or over cellular data.

Integration into CCTV & VMS
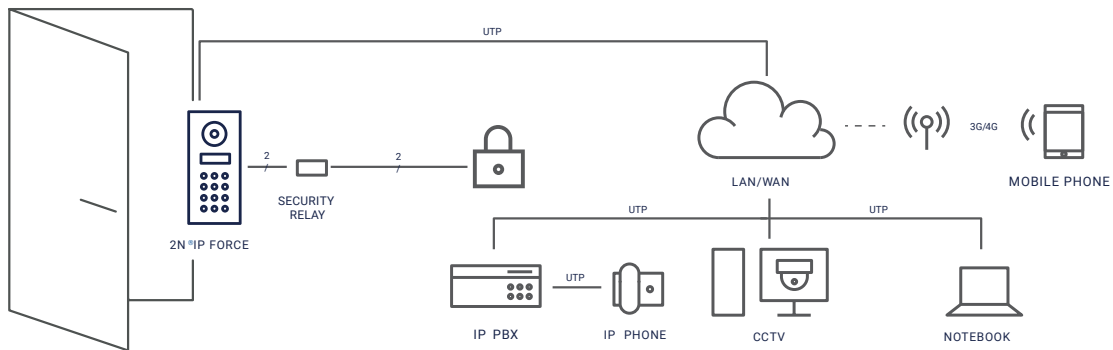2N® IP Force can easily be integrated with your existing CCTV or surveillance system.

Tamper switch
2N® IP Force can be fitted with a tamper switch that detects unauthorized opening of the device itself.

Time profiles
This function allows you to define the period of time a phone number, RFID card or access code is valid.

DIAGRAM

TECHNICAL PARAMETERS

Signalling protocol

SIP 2.0 (RFC - 3261)

Buttons

Button format	transparent buttons with white backlight and easily removable label
Number of buttons	1, 2 or 4
Numeric keypad	Optional

Audio

Microphone	2 built-in microphones
Speaker	10W
Sound pressure at 1 kHz at 1 m distance	94 dB (10 W speaker)

Audio Stream

Codecs	G.711, G.729, G.722, L16/16kHz

Camera (optional)

Resolution - HD camera	1280 x 960
Resolution - SD camera	640 x 480
Viewing angle	135° (H), 109° (V)
Night vision	Yes (optional)

Video stream

Codecs	H.263+, H.263, H.264, MJPEG, MPEG-4

RFID card reader

RFID card reader	13.56MHz a 125kHz
Support for NFC	Yes, HCE and the 2N® Mobile Key application needed

Interfaces

Power supply	12V ± 15%/ 2A DC, or PoE
PoE	PoE 802.3af (Class 0 - 12.95W)
LAN	10/100BASE-TX with Auto-MDIX function
Passive switch	NC/NO contacts, max 30 V/1 A AC/DC
Active switch output	9 to 13 V DC depending on Power supply (PoE: 9 V; adapter: source voltage minus 1 V), max 700 mA
Supported protocols	SIP2.0, DHCP opt. 66, SMTP, 802.1x, RTSP, RTP, TFTP, HTTP, HTTPS, Syslog, ONVIF

Mechanical Properties

Weight	max. 2000 g
Operating temperature	-40°C – 55°C
Operating temperature	-40°C – 70°C
Operating relative humidity	10%-95% (non-condensing)
Dimensions	217x109x83 mm
Coverage level	IP69K

SOFTWARE

2N® Access Commander   – software to manage 2N IP Intercoms and 2N Access units
2N® IP Eye   – software to manage 2N IP intercoms and access units
2N® Network Scanner   – software to manage 2N IP Intercoms and access units
2N® Mobile Video   – mobile application providing video calls from the intercom to your mobile device
2N® Mobile Key   – application that turns your mobile phone into an access card