2N® IP Force
2N IP Intercoms

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.

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.

Logistics and transport
Offices
Industrial zones
Schools and campuses

State administration
public buildings
Airport and parking
**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.

**2N® Remote Configuration**
Save time and money for onsite support thanks to our free service. Access all your devices remotely via secured cloud connection. Fastest response to your customers requests.

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**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**
- Frequency: 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: 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
- Storage temperature: -40°C – 70°C
- Operating relative humidity: 10%-95% (non-condensing)
- Dimensions: 217x109x83 mm
- Coverage level: IP69K

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**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** – an 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