Satelco
automation integration communication

2N IP Force with 10 W Loudspeaker

Loudspeaker
Built-in infra camera
Backlit button
Keypad
Two microphones

- **Voice and video transmission**
- **Robust mechanical construction**
- **Wide-angle SD and HD camera with night vision**
- **Full-Duplex**

A Door Guard for Extreme Conditions

The 2N IP Force - IP intercom offers a smart and effective solution for the secure access control and monitoring of a building entrance. Voice and video transmission is provided by standard SIP/RTP/RTSP protocols, which guarantee the best compatibility and integration with third-party IP systems.

The 2N IP Force is designed for operation in the most demanding conditions. The robust mechanical construction offers the highest protective coverage rating against dust andwater and protection against mechanical damage (vandal resistant). Numerous deluxe features of the 2N IP Force provide high user comfort and guarantee secure access control for any extreme environment.

Highlights:

- Maximal resistivity against dust, water, and mechanical damage
- High clarity and volume in noisy environments
- Wide-angle colour camera with infrared and night vision
- Illuminated buttons and backlit keyboard
- Available in different designs – wall or flush mounting
- Integrated RFID card reader
- Secure admission to the building of authorised people at selected times
- Entrance monitoring and following the movement of people
- Interconnecting with other security systems in the building
- Easy installation and integration into the existing LAN

Features:

- Real time video streaming
- 2N Access Commander – management and user-administration from one location
- 2N IP Eye – free down application that allows a video from the camera to PC
- User specified time profiles
- Remote trigger switch control
- IP Relay – open the door with an http command
- Integration into security and automation systems
- Picture to e-mail

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Technical Data:	2N IP Force	
Signalling protocol	**SIP 2.0 (RFC-3261)**	
Power supply		
	12V ±15% / 1A DC or PoE (Power over Ethernet) PoE 802.3af (Class 0 – 12.95W)	
Buttons		
Quick dial buttons	Transparent, white backlit buttons with easily replaceable name tags	
Number of buttons	1, 2 or 4	
Numeric keypad	optional	
Piktogramm	optional (visual status display for call setup, speaking, door open)	
Audio		
	Full-Duplex, with echo cancellation	
Mircrophone	2 integrated microphones	
Loudspeaker	10 W	
Audio stream		
Codecs	G.711, G.722, G.729 (G.729 optional with license upgrade)	
Camera (optional)	**SD camera**	**HD camera**
Resolution	640 (H) x 480 px (V)	1280 (H) x 960 px (V)
View angle	135° (H), 109°(V)	135° (H), 109°(V)
IR Night Vision	yes	yes
Video stream		
Codecs	H.263+, H.263, H.264, MJPEG	
Switch contacts		
Number	1 integrated, 1 can be retroffited	
Relay outputs	NC/NO contacts, max 30V/1A AC/DC	
Active relay output	12V/700mA DC	
LAN		
	10/100BASE-TX with Auto-MDIX	
RFID card reader (optional)	**Supported cards:**	
Card reader 125kHz	EM4100, EM4200, HID Proximity (26 bit)	
Card reader 13.56MHz NFC ready	Mifare Classic 1k & 4k, DESFire EV1, Mini, Plus S&X, SmartMX, Ultralight, Ultralight C, SLE44R35, my-d move (SLE66Rxx), PayPass, Legic Advant Calypso, Moneo, PicoPass, HID iCLASS (just uID)	
Secured Card reader 13.56MHz NFC ready	**Allows reading PACS ID (Physical Access Controls Systems)** Mifare Classic 1k & 4k, DESFire EV1, Mini, Plus S&X, SmartMX, Ultralight, Ultralight C, SLE44R35, my-d move (SLE66Rxx), PayPass, Legic Advant Calypso, Moneo, PicoPass, HID iCLASS (just uID)	
Supported NFC	With application 2N Mobile Key, 13.56 MHz RFID Reader NFC ready **(license required for release)**, for smartphones with NFC support Android version 4.0 and higher	
Mechanical		
Operating temperature range	-40°C – 55°C	
Storage temperature range	-40°C – 70°C	
Relative humidity	10% - 95% (non-condensing)	
Dimensions	217 x 109 x 83 mm / 242 x 136 x 83 mm with frame	
Protection level	IP69 / IK10	
Mounting	flush-mounting/surface-mounting/stand pillar *(in-wall housing must be ordered separately)*	

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