

2N® IP FORCE

TOUGHEST IP INTERCOM IN THE WORLD

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.



- **Built for extreme conditions**
- **Professional night vision**
- **Clear sound in noisy environments**
- **Durable access control solution**
- **Wide-angle HD camera**
- **Easy integration into CCTV and VMS**

VARIANTS

					
1 button	1 button, keypad	4 buttons	2 buttons, card reader ready	1 button, pictograms, card reader ready	
With HD camera Without camera	9151101CHW 9151101W	9151101CHKW 9151101KW	9151104CHW 9151104W	9151102CHRW 9151102RW	9151101CHRPW 9151101RPW

TECHNICAL PARAMETERS

Signalling protocol

SIP (UDP, TCP, TLS)

Button

Button design	Transparent, white backlit buttons with easily replaceable label
Count of buttons	1, 2 or 4
Numerical keypad	Optional

Audio

Microphone	2 integrated microphones
Amplifier	10 W (class D)
Speaker	10 W
Volume control	Adjustable with automatic adaptive mode
Full duplex	Yes (AEC)

Audio stream

Protocols	RTP/RTSP
Codecs	G.711, G.722, G.729, L 16/16kHz

Camera HD

Sensor	1/3" colour CMOS
JPEG resolution	1280 (H) x 960 (V)
Video resolution	640 (H) x 480 (V)
Frame rate	Up to 30 snapshots/s
Sensor sensitivity	5.6 V/lux-sec (550 nm) / 1.9 V/lux-sec (550 nm)
View angle	135° (H), 109° (V)
Infrared light	Yes

Video stream

Protocols	RTP/RTSP/HTTP
Codecs	H.263, H.263+, H.264, MPEG-4, M-JPEG
IP camera function	Yes, ONVIF v2.4 profile S compatible

Interface

Power supply	12 V / 2A DC or PoE
PoE	PoE 802.3af (Class 0 - 12,95 W)
LAN	10/100BASE-TX with Auto-MDIX, RJ-45
Recommended cabling	Cat-5e or higher
Passive switch	NO/NC contacts, max. 30 V/1A AC/DC
Active switch output	9 up to 13 V DC depending on power supply, max. 700 mA

RFID card reader

Supported frequencies	125kHz and 13.56MHz
125 kHz	EM4100, EM4102, HID Proximity
13.56 MHz	ISO14443A, ISO14443B, ISO15693, NFC support
	reads UID (CSN)
	reads PACs ID (iCLASS SIO-enabled cards)
	- only secured cards

Mechanical properties

Mechanical properties	
Cover	Robust aluminium casting
Operating temperature	-40 °C to 55 °C
Storage temperature	-40 °C to 70 °C
Operating relative humidity	10%-95% (non-condensing)
Dimensions	217 x 109 x 83 mm
	242 x 136 x 83 mm with frame
Weight	net max. 2 kg / gross max. 2,5 kg
Covering level	IP69K and IK10