



# 2N® IP Verso 2.0

## The world's most modular intercom now with a Full HD camera

The second generation of the world's best-selling IP intercom boasts a wide-angle, Full HD camera and a new ARTPEC-7 processor that powers advanced features such as QR code reading. Enjoy unparalleled modularity, superb image quality and a wide variety of access methods.

### Exceptional colour, unbeatable clarity

Sun shining behind the visitor? The new Full HD camera with the WDR-capable lens can deal with that. Low light? The 2N® IP Verso 2.0 maintains full image colour even minutes before total darkness.

### Customisable to project's needs

Build the 2N® IP Verso 2.0 according to the customer's needs. It comes in either nickel or black finish, and allows you to combine 20 different modules to make up a truly unique intercom.

### Three installation options

Choose the installation method that fits your project best. Install 2N® IP Verso 2.0 on the wall, flush mounted or on glass.

### Mobile access & QR code reading

Besides the classic access methods PIN and RFID, the intercom also offers fast and reliable mobile access powered by WaveKey, and now QR codes, too! Great for one-off credentials.

### Highly durable chassis

The new chassis, made of durable anodised aluminium, is super strong and will hold its shape perfectly during installation, even on uneven surfaces, without a single dent.

### Minimal storage requirements

Axis' Zipstream technology reduces Full HD streams' bitrate and storage requirements by an average of 50% compared to H.264.



**2N® IP Verso 2.0**  
9155211C (nickel)



**2N® IP Verso 2.0**  
9155211CB (black)

## Technical parameters

### Power supply

Type	PoE and/or 12 V/1 A DC
PoE	802.3af (Class 0–12.95 W)

### Interfaces

LAN	10/100BASE-TX with Auto-MDIX, RJ-45 jack
Recommended cabling	Cat-5e or better
Active switch output	8 to 12 V DC/max 400 mA
Passive switch	NO/NC contacts, up to 30 V/1 A AC/DC
Inputs	1 input - in passive/active mode (-30 V to +30 V DC) OFF = open or $U_{in} > 1.5$ V ON = short-circuit or $U_{in} < 1.5$ V

### Signalling protocol

SIP (UDP, TCP, TLS)

### Audio

Microphone	1 integrated microphone
Amplifier	5 W (Class D) amplifier
Speaker	2 W / 8 $\Omega$
Sound Pressure Level (SPL max)	78 dB (for 1 kHz at 1 m)
LINE OUT	1 VRMS / 600 $\Omega$
Volume control	adjustable with automatic adaptive mode
Full duplex	Yes (AEC)
Audio output	1,9 W
Protocols	RTP/SRTP
Codecs	G.711, G.729, G.722, L16/16kHz

### Camera & video

Sensor	1/2.7" colour CMOS
Focal length	1.9 mm
Max. view angle	138° (H), 105° (V)
Infrared light	yes
WDR	yes
Minimal illumination	0,8 lux without IR illumination
Protocols	RTP/RTSP/RTCP/HTTP, ONVIF v2.4 profile S
Codecs	MJPEG, H.264, Zipstream
Resolution	max. Full HD (1920 x 1080)
Frame rate	max. 30 fps

### Mobile Application Support

Android 6.0 and higher, iOS 12.0 and higher

### Bluetooth Reader

Version	compatible with Bluetooth 5.0 (BLE)
Range	(short - typically up to 3m*, long - typically up to 10m*)
*distances should serve only as an approximate guide and may vary depending on the phone model and installation environment	
Security	RSA-1024 and AES-128 encryption
RX sensitivity	up to -93 dBm
Mode	touch, tap in app, card, motion

### RFID Card Reader

Supported frequencies	125 kHz variant 13.56 MHz variant 125 kHz and 13.56 MHz variant
Supported card types	card type compatibility depends on Order No.
125 kHz	EM4xxx
13.56 MHz	ISO14443A, PicoPass (HID iClass), FeliCa, ST SR(IX), NFC (2N® Mobile Key) HID Prox – versions with 125 kHz support and S in Order No. Only reads UID (CSN) and secured MIFARE® DESFire® EV2/EV3 cards using 2N® PICard technology
Secured 13.56 MHz	ISO14443A (MIFARE® DESFire®), PicoPass (HID iClass), FeliCa, ST SR(IX), NFC (2N® Mobile Key), HID SE (Seos, iClass, MIFARE SE) reads secured MIFARE® DESFire® EV2/EV3 cards using 2N® PICard technology reads PACs ID (HID iClass cards with SIO object)

### Touch Keypad

Technology	capacitive touch layer (sensitivity 0,1 pF)
Reliability	regular automatic calibration (SmartSense Auto-tuning) does not detect false touches on wet surface
Signalling	configurable backlight intensity indication using multicoloured LEDs acoustic response for every keypad touch

### Fingerprint Reader

Sensor	optical sensor protected by resistant glass
Reliability	algorithm for fake fingerprint detection
Resistance	resistant to water and dust
Signalling	acoustic and multicoloured LEDs
Sensing area	large with dimensions of 15.24 x 20.32 mm
Certification	certified according to FBI standard

### Mechanical Properties

Frame (cover)	robust zinc cast frame with surface finish (nickel and black color)
Operating temperature	-40°C to +60°C (Fingerprint Reader module -20°C to +55°C)
Storage temperature	-40°C to +70°C
Operating relative humidity	10%-95% (non-condensing)
Weight	2 kg
Cover rating	IP54 and IK08

### Surface mounting frame – dimensions

1 module	107 (W) x 130 (H) x 28 (D) mm
2 modules	107 (W) x 234 (H) x 28 (D) mm
3 modules	107 (W) x 339 (H) x 28 (D) mm

### Flush mounting frame – dimensions

1 module	130 (W) x 153 (H) x 5 (D) mm
2 modules	130 (W) x 257 (H) x 5 (D) mm
3 modules	130 (W) x 361 (H) x 5 (D) mm

### Flush mounting box (minimum hole dimensions)

1 module	108 (W) x 131 (H) x 45 (D) mm
2 modules	108 (W) x 238 (H) x 45 (D) mm
3 modules	108 (W) x 343 (H) x 45 (D) mm