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.

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.

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.

Adaptive Face Zooming
Enhance security and give users a clearer image of who's at the door! The 2N IP Verso 2.0's wide-angle camera can now automatically zoom in on faces.
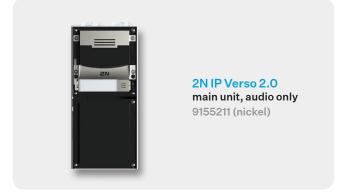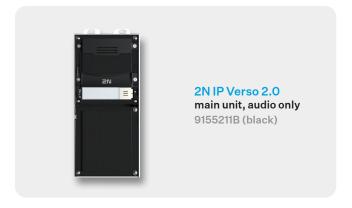
Also available in audio-only
Don't need a camera but still want an advanced, modular intercom that complies with cybersecurity standards? The 2N IP Verso 2.0 is available in an audio-only variant.

Variants

2N IP Verso 2.0
main unit, with camera
9155211C (nickel)

2N IP Verso 2.0
main unit, with camera
9155211CB (black)

2N IP Verso 2.0
main unit, audio only
9155211 (nickel)

2N IP Verso 2.0
main unit, audio only
9155211B (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 Uin> 1.5 V ON = short-circuit or Uin< 1.5 V

Signalling protocol

SIP (UDP, TCP, TLS)

Audio

Microphone	1 integrated microphone
Amplifier	5 W (Class D) amplifier
Speaker	2 W / 8 Ω
Sound Pressure Level (SPL max)	78 dB (for 1 kHz at 1 m)
LINE OUT	1 VRMS / 600 Ω
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 (Optional)

Sensor	1/2.7'' colour CMOS
Focal lenght	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, H.265, 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 (SmartSence Auto-tunning)
	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 136 (H) x 45 (D) mm
2 modules	108 (W) x 240 (H) x 45 (D) mm
3 modules	108 (W) x 346 (H) x 45 (D) mm

Warranty

5-years warranty see https://www.2n.com/en_GB/support/warranty-and-repairs