2N LTE Verso

World's first 4G intercom

Need an IP intercom but don't have network cabling? Got a project for an older house or a gateway far from the front door? You need an intercom that makes calls via a SIM card and only needs a power supply. What's more, you can configure it to meet your exact requirements.

Ideal replacement for old intercoms
Having old cabling (or none at all) is no problem! As it connects to the internet via a SIM card, the 2N LTE Verso is perfect for a quick replacement of outdated intercoms in retrofit projects.

Minimal installation costs
The 4G/LTE video intercom needs no cabling other than the power supply, which saves on the cost of replacing cabling in retrofit projects.

Remote yet secure configuration
Efficiently configure the 2N LTE Verso from anywhere in the world via a secure VPN. Simply connect the video intercom to your LTE network and add it to the My2N Management Platform.

Support of cloud calling
The 2N LTE Verso can make calls using mobile data to internet-connected hardware answering units as well as to a mobile phone or tablet using the My2N app.

Great versatility
Choose from different access control readers, add-on modules, two colours, and installation types to create exactly the right intercom system for your customer.

Configure the system locally
You can also use dedicated accessories to set up the intercom, allowing you to plug a network cable into the 4G/LTE intercom and configure it as if it were on your local network.

Variants

**Main unit
with camera,
EU LTE**
9155401C-E (nickel)
9155401CB-E (black)

**Main unit
with camera,
US LTE**
9155401C-U1 (nickel)
9155401CB-U1 (black)

Technical parameters

Signalling protocol

SIP 2.0 (RFC - 3261)

Buttons

Buttons	transparent buttons with white backlight and easily removable label
Number of buttons	1 to 146
Numeric keypad	optional

Audio

Microphone	1 built-in microphone
Speaker	2W
Sound pressure at 1kHz at 1m distance:	78 dB

Audio stream

Codecs	G.711, G.729, G.722, L16/16kHz

Camera

Resolution – JPEG	1280 x 960px
Resolution – video call	640 x 480px
Viewing angle	128° (H), 95° (V), 134° (D)
Night vision	yes

Video stream

Codecs	H.263+, H.263, H.264, MJPEG, MPEG-4

Touchscreen (optional)

Buttons and keyboard functions	
Operating temperature	-20°C – 60°C
Coverage level	IK07

Bluetooth module (optional)

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

RFID card reader (optional)

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 HID Prox – versions with 125 kHz support and S in Order No. Only
13.56 MHz	ISO14443A, PicoPass (HID iClass), FeliCa, ST SR(IX), NFC (2N Mobile Key) 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)

Fingerprint reader (optional)

Sensor	optical sensor protected by resistant glass
Reliability	algorithm for fake fingerprint detection
Resistance	resistant to water and dust
Status signalisation	acoustic and with the aid of multicoloured LEDs
Sensing area	large with dimensions of 15.24 x 20.32mm
Operating temperature	-20°C – 55°C
Certification	FBI PIV

Interfaces

Power supply	12V/2A DC
Network connection	EU Bands (MHz): B1(2100), B3(1800), B7(2600), B8(900), B20(800) US Bands (MHz): B2(1900), B4(AWS1700), B5(850), B12/B13(700) output power - Class 3 (0.2W, 23dBm) @ LTE
Typical data use	30MB/month plus 4MB/call minute (additional services may increase data use) for calculation details see wiki.2n.com
Switch output	NC/NO contacts, max 30 V/1 A AC/DC
Active switch output	8 to 12 V DC depending on power supply (source voltage minus 2 V), max 400mA
Tamper switch	optional accessory
Supported protocols	SIP2.0, DHCP opt. 66, ONVIF, SMTP, 802.1x, RTSP, RTP, TFTP, HTTP, HTTPS, Syslog

Mechanical Properties

Operating temperature	-40°C to +60°C
Storage temperature	-40°C to +70°C
Operating relative humidity	10%-95% (non-condensing)
Officially certified outdoor coverage level	IP54, IK08, touch display IK07

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