

# 2N® LTE VERSO

## WORLD'S FIRST LTE INTERCOM

2N® LTE Verso combines minimum installation costs with a full-feature set. Using LTE technology means no other cable apart from a power supply is needed, with a benefit of all functionalities such as a video communication. The main unit with HD camera can be accompanied by RFID reader, Bluetooth or Fingerprint reader supporting modules.



- Ideal retrofit solution
- Secure configuration via cloud
- Pick any of the 14 modules available
- Effective upgrade to video intercom
- Minimum installation costs
- Calls to mobile phone and tablet

## 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 1 kHz at 1 m distance | 78 dB                 |

### Audio stream

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

### Camera

|                         |                             |
|-------------------------|-----------------------------|
| Resolution - JPEG       | 1280 x 960 px               |
| Resolution - video call | 640 x 480 px                |
| Viewing angle           | 120° (H), 90° (V), 145° (D) |
| Night vision            | Yes                         |

### Video stream

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

### Bluetooth module (optional)

|                            |                      |
|----------------------------|----------------------|
| Bluetooth Smart technology |                      |
| Security                   | RSA-1024 and AES-128 |

### Touchscreen (optional)

Buttons and keyboard functions

### RFID card reader (optional)

|                       |                                                    |
|-----------------------|----------------------------------------------------|
| Supported frequencies | 13.56MHz and 125kHz                                |
| Support for NFC       | Yes, HCE and the 2N® Mobile Key application needed |

### Interfaces

|                    |                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Power supply       | 12V/2A DC                                                                                                                           |
| Network connection | EU Bands (MHz): B1(2100), B3(1800), B7(2600), B8(900), B20(800)<br><br>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 [faq.2n.cz](http://faq.2n.cz)

Switch output  
Active switch output  
8 to 12 V DC depending on power supply  
(source voltage minus 2 V), max 400mA

Supported protocols  
SIP2.0, DHCP opt. 66, ONVIF, SMTP, 802.1x, RTSP, RTP, TFTP, HTTP, HTTPS, Syslog

### Mechanical properties

|                             |                                          |
|-----------------------------|------------------------------------------|
| Operating temperature       | -40°C - 60°C, touch display -20°C - 60°C |
| Storage temperature         | -40°C - 70°C                             |
| Operating relative humidity | 10%-95% (non-condensing)                 |
| 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 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 |

### Dimensions

Dimensions depend on configuration of the modules and installation type - see [www.2n.cz](http://www.2n.cz) for details.