



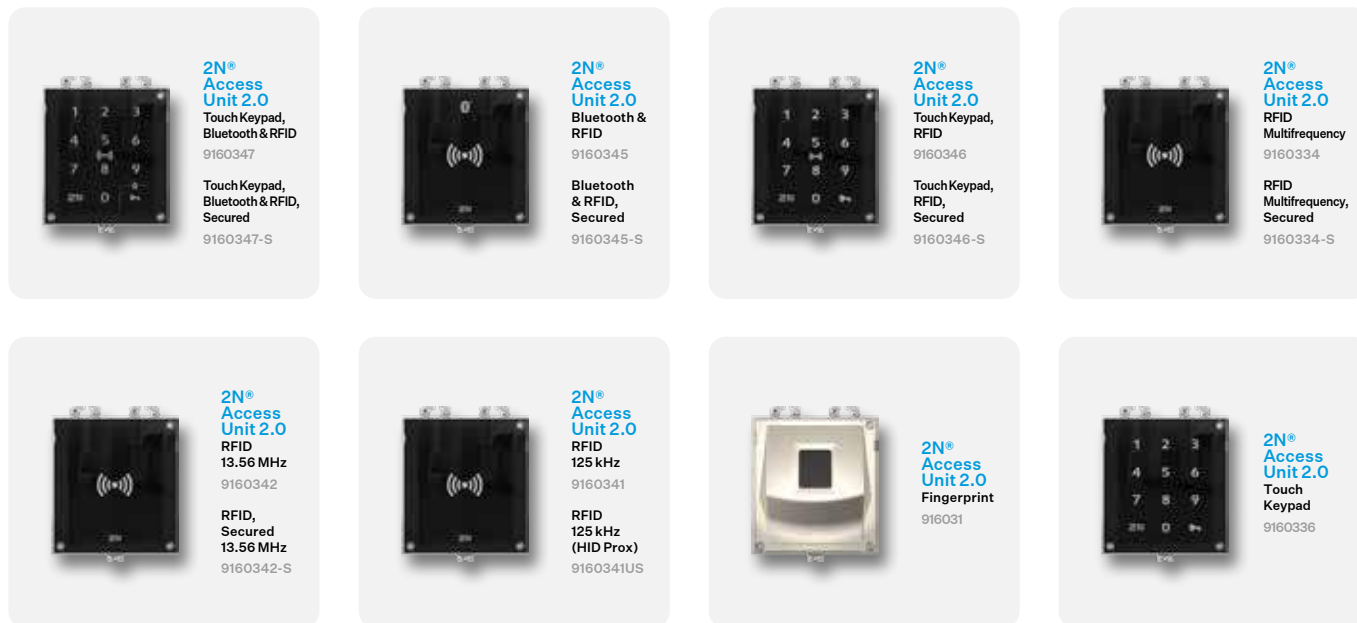
2N Access Unit 2.0

Modern reader with [multiple installation options](#)

Do you need a good-looking access reader for your project? All the residents of luxury residences will be delighted with the 2N Access Unit 2.0. Select modern access with a mobile phone or fingerprint. Do you prefer conventional methods? We also offer an RFID card reader or keypad. Cannot decide? Select a combination of several methods in one device. But don't look for controllers in our portfolio. They are already an integral part of every reader.

- Ideal for residential projects
- Flexibility for users
- Quick installation and remote administration
- You don't need a controller
- Flush mount or installation on glass
- Timeless solution

Variants



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 600 mA |
| Passive switch | NO/NC contacts, up to 30 V/1 A AC/DC |
| Inputs | 2 inputs - 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 |
| Tamper switch | native part of the 2N Access Unit 2.0 |
| Audio | buzzer (97dBA) |
| Supported protocols | DHCP opt. 66, SMTP, TFTP, HTTP, HTTPS, Syslog |

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 |

Mobile Application Support

Android 6.0 and higher, iOS 12.0 and higher

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 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)

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 | robust zinc cast frame with surface finish (nickel and black color) |
| Operating temperature | -40°C to +60°C (2N Access Unit 2.0 Fingerprint Reader -20°C to +55°C) |
| Storage temperature | -40°C to +70°C |
| Operating relative humidity | 10%-95% (non-condensing) |
| Dimensions | Wall (surface) mounting frame: 1 module: 107 (W) x 130 (H) x 28 (D) mm Flush mounting frame: 1 module: 130 (W) x 153 (H) x 5 (D) mm Flush mounting box (minimum hole): 1 module: 108 (W) x 131 (H) x 45 (D) mm |
| Weight | max 0.8 kg |
| Cover rating | IP54 and IK08 |

Extension Modules

2N Access Unit 2.0 supports modules from the 2N IP Verso intercom: RFID, Bluetooth and fingerprint readers, keypad, I/O module, Wiegand, etc.