# Datasheet

# 2N ACCESS UNIT 2.0
## STYLISH AND SMART READERS

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

- Fastest Bluetooth technology

- You don't need a controller

- Quick installation and remote administration

- Flush mount or installation on glass
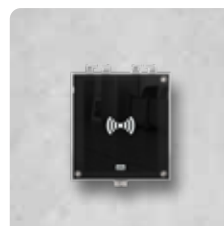
- Timeless solution

# VARIANTS
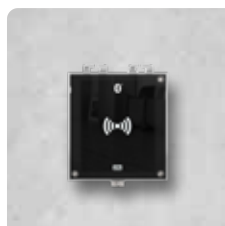


**2N® ACCESS UNIT 2.0 BLUETOOTH & RFID**
9160335

**2N® ACCESS UNIT 2.0 BLUETOOTH & RFID, SECURED**
9160335-S
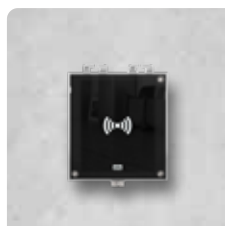


**2N® ACCESS UNIT 2.0 RFID MULTIFREQUENCY**
9160334

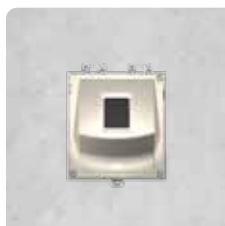**2N® ACCESS UNIT 2.0 RFID MULTIFREQUENCY, SECURED**
9160334-S
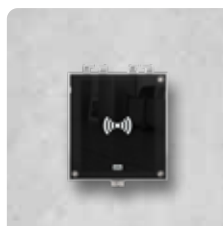


**2N® ACCESS UNIT 2.0 RFID 13.56 MHZ**
9160342

**2N® ACCESS UNIT 2.0 RFID SECURED 13.56 MHZ**
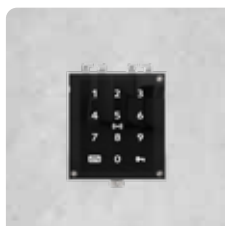9160342-S



**2N® ACCESS UNIT 2.0 RFID 125 kHZ**
9160341

**2N® ACCESS UNIT 2.0 RFID 125 kHz (HID Prox)**
9160342US



**2N® ACCESS UNIT 2.0 TOUCH KEYPAD & RFID**
9160336

**2N® ACCESS UNIT 2.0 TOUCH KEYPAD & RFID, SECURED**
9160336-S



**2N® ACCESS UNIT 2.0 FINGERPRINT READER**
916031



**2N® ACCESS UNIT 2.0 TOUCH KEYPAD**
916032

## INTERFACES

| | |
|---|---|
| Power supply | PoE and/or 12 V/1 A DC |
| PoE | 802.3af (Class 0–12.95 W) |
| LAN | 10/100BASE-TX with Auto-MDIX, RJ-45 modular jack (2N® Access Unit Bluetooth has terminal block or pigtail RJ-45) |
| 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) (2N® Access Unit Bluetooth has 3 inputs) OFF = OPEN or Uin > 1.5 V ON = CLOSED or Uin < 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 |

## 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 (surface mounted) | 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 card readers, keypad, fingerprint, Bluetooth reader, I/O module, Wiegand, etc.

## BLUETOOTH READER

| | |
|---|---|
| Version | compatible with Bluetooth 4.0 or higher (BLE) |
| Range | adjustable (short - typically up to 3m*, long - typically up to 10m*) |
| Security | RSA-1024 and AES-128 encryption |
| RX sensitivity | up to -93 dBm |

## MOBILE APPLICATION SUPPORT

Android 6.0 and higher, iOS 12.0 and higher

## RFID CARD READER

**Supported card types:** card type compatibility depends on Order No.

| | |
|---|---|
| | 125 kHz variant |
| | 13.56 MHz variant |
| | 125 kHz and 13.56 MHz variant |
| 125 kHz | EM4100, EM4102 HID Prox – versions equiped with 125kHz reader and marked "S" or "US" in order number |
| 13.56 MHz | ISO14443A, ISO14443B, NFC support reads UID (CSN), reads PACs ID (HID iClass cards with SIO) - "S" (secured) versions only |

## TOUCH KEYPAD

| | |
|---|---|
| Technology | capacitive touch technology high touch layer sensitivity (0.1pF) |
| 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 |

*distances should serve only as an approximate guide and may vary depending on the phone model and installation environment