

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

**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 MHZ**
9160341

**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

**2N® ACCESS UNIT
BLUETOOTH**
916013

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 $U_{in} > 1.5 V$ ON = CLOSED 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

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 - 0.5 m, medium - 2 m, long - up to 10 m)
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 frequencies	125 kHz variant 13.56 MHz variant 125 kHz and 13.56 MHz variant
125 kHz	EM4100, EM4102, HID Prox
13.56 MHz	ISO14443A, ISO14443B, NFC support reads UID (CSN) reads PACs ID (HID iClass cards with SIO object)

TOUCH KEYPAD

Technology	capacitive touch technology high touch layer sensitivity (0,1pF)
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