

# 2N® ACCESS UNIT 2.0 BLUETOOTH & RFID

## ACCESS CONTROL FOR BOTH CONSERVATIVE AND PROGRESSIVE USERS

Use the prevailing and most popular technology for access control systems, the RFID, in combination with modern Bluetooth. All features are elegantly combined in one access unit that reads all the wide-spread RFID cards on the market and simultaneously communicates with your smartphone that can fully and for free substitute these cards.



- Convenience of mobile credentials
- Mobile credentials for free
- Multi-frequency RFID card reader
- Different modes of user's authentication
- Easily installed edge device

### ORDER NUM.:

9160335 (125kHz, 13.56 MHz, NFC reader) / 9160335-S (125kHz, Secured 13.56 MHz, NFC reader)

## VARIANTS



## TECHNICAL PARAMETERS

### Interfaces

Power supply	PoE and/or 12V/1A DC
PoE	802.3af (Class 0-12.95W)
LAN	10/100BASE-TX with Auto-MDIX, RJ-45 modular jack
Recommended cabling	Cat-5e or better
Active switch output	8 to 12V DC / max 600mA
Passive switch	NO/NC contacts, up to 30V 1A AC/DC
Inputs	2 inputs - in passive / active mode (-30V to + 30V DC)
Tamper switch	Native part of the 2N Access Unit 2.0
Audio	Buzzer and microphone

### Bluetooth reader

Version	Compatible with Bluetooth 4.0 or higher (BLE)
Range	Adjustable (short - 0.5m, medium - 2m, 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 125kHz and 13.56MHz  
125kHz (EM4100, EM4102, Prox)  
13.56MHz (ISO14443A, ISO14443B, NFC support)

- reads UID (CSN)
- reads PACs ID (HID iClass cards with SIO object)

### Mechanical properties

Cover	Robust zinc cast frame with surface finish (nickel and black colour)
Operating temperature	-40°C to 60°C
Storage temperature	-40°C to 70°C
Operating relative humidity	10%-95% (non-condensing)
Dimensions (1-module solution)	
Wall (surface) mounting frame	107 (W) x 130 (H) x 28 (D) mm
Flush mounting frame	130 (W) x 153 (H) x 5 (D) mm
Flush mounting box (minimum hole)	108 (W) x 131 (H) x 45 (D) mm
Weight	Max. 0.8kg
Cover rating	IP54 and IK08

### Expansion modules

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