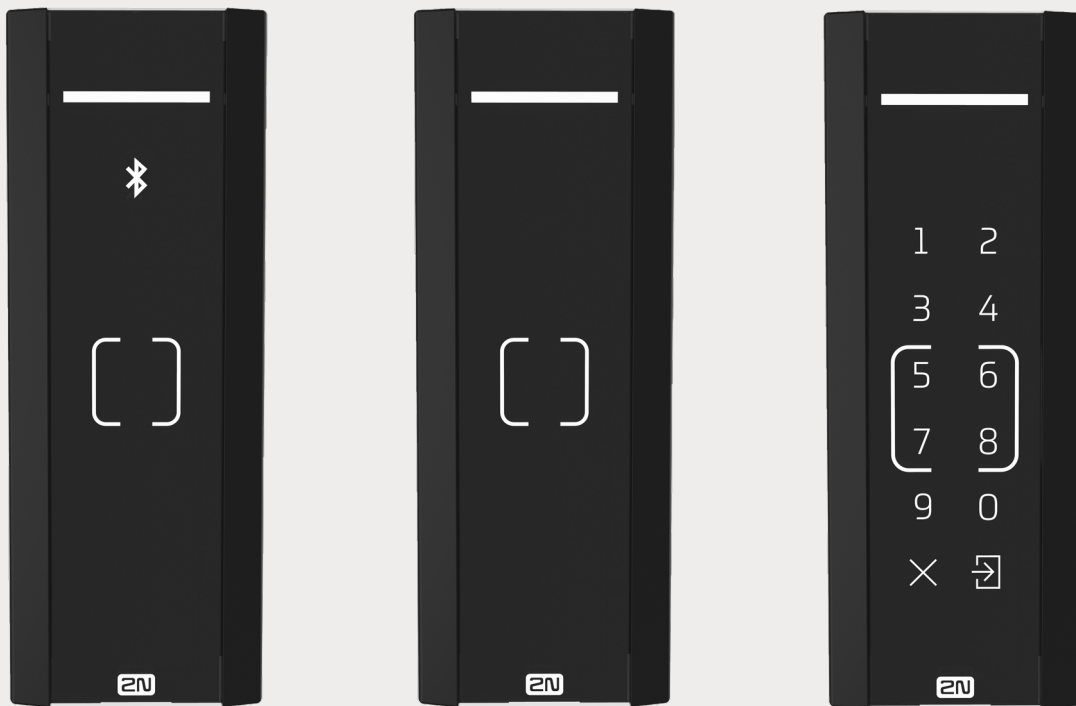Datasheet

2N

2N ACCESS UNIT M
SMART READER IN NARROW DESIGN

The 2N Access Unit M is the ideal reader for offices. Its controller is built-in and all you need to connect and power the device is a single UTP cable. Thanks to its compact design, you can easily install the unit on a door frame. Choose from several versions – RFID, RFID combined with mobile access via Bluetooth, or RFID with a keypad, which is perfect for projects that require two-factor authentication.

- Narrow design ideal for installation on the door frame
- Fastest mobile access
- Controller and reader in one
- Perfect for the office or outdoor
- Quick installation
- Encrypted two-way communication

VARIANTS

**2N® ACCESS UNIT M RFID
13.56 MHZ, NFC**
916112

**2N® ACCESS UNIT M RFID
SECURED 13.56 MHZ, NFC**
916112-S

**2N® ACCESS UNIT M RFID
MULTIFREQUENCY, NFC**
916114

**2N® ACCESS UNIT M RFID
MULTIFREQUENCY, SECURED, NFC**
916114-S

**2N® ACCESS UNIT M
BLUETOOTH & RFID, NFC**
916115

**2N® ACCESS UNIT M BLUETOOTH
& RFID, SECURED, NFC**
916115-S

**2N® ACCESS UNIT M TOUCH
KEYPAD & RFID, NFC**
916116

**2N® ACCESS UNIT M TOUCH
KEYPAD & RFID, SECURED, NFC**
916116-S

INTERFACES

Power supply	12V+-15%/1A input
PoE	802.3af
LAN	10/100BASE-TX with Auto-MDIX, RJ-45 female (pigtail)
Recommended cabling	Cat-5e or better
Active switch output	12V DC / max 400mA
Passive switch	NO/NC relay, 30V 1A AC/DC
Inputs	2 inputs – in passive / active mode (-30 VDC to + 30 VDC) OFF = OPEN or Uin > 1.5 V ON = CLOSED or Uin < 1.5 V
Tamper switch	Native part of the 2N Access Unit M
Audio	Buzzer
Speaker	1W / 8ohm

MECHANICAL PROPERTIES

Cover	Tempered glass with rugged plastic
Operating temperature	-40°C to 60°C
Storage temperature	-40°C to 70°C
Operating relative humidity	10%-95% (non-condensing)
Dimensions (surface mounted):	50 (W) x 133 (H) x 27 (D) mm
Weight max.	0.5kg
Cover rating	IP55 and IK07

RFID CARD READER

Supported frequencies	13.56MHz variant (optionally secured)
	125kHz and 13.56MHz variant (optionally secured 13.56 MHz)
125kHz (EM4100, EM4102, Prox)	
13.56MHz (ISO14443A, ISO14443B, NFC support)	
reads UID (CSN)	
reads PACs ID (HID iClass cards with SIO object)	

BLUETOOTH

Version	Compatible with Bluetooth 4.0 or higher (BLE)
	Bluetooth 5.0 LE compliant
Range	Adjustable (short ~ 0.5m, medium ~ 2m, long ~ up to 10 m)
Security	RSA-1024 and AES-128 encryption
RX sensitivity	94.8 dBm at 1 Mbps
Mode	touch, tap in app

MOBILE APPLICATION SUPPORT

Android 6.0 and higher, iOS 12.0 and higher

TOUCH KEPAD

Technology	Capacitive touch technology
	High touch layer sensitivity (0.1pF)
Reliability	Regular automatic calibration (SmartSence)
	Does not detect false touches on wet surface
Signalling	Configurable backlight intensity
	Indication using multicoloured LEDs
	Acoustic response for every keypad touch