



2N Access Unit M

Slim access control reader

Easy to install and perfect for offices, the 2N Access Unit M features an in-built controller and a single UTP cable is all you need for connection and power. Plus, the access control reader has a slimline design that is great for installation in tricky spots such as door frames.

Choose from several versions – RFID, RFID combined with mobile access via Bluetooth, or RFID with a keypad for projects that require two-factor authentication.

Slimline design

The access control reader's sleek design is ideal for installation in spots where you're tight on space such as door frames in the front of meeting rooms.

Hassle-free installation

The nearly 3-meter-long Ethernet pigtail makes your installation process a breeze! Simply pull it through the door frame and into the ceiling. Then, connect the access control reader to the IP infrastructure. For wall mounting, use the new installation boxes.

Flexible access methods

Offer your clients options! This powerful access control reader can support multi-access technologies in one unit including RFID, RFID with mobile access via Bluetooth, or RFID with keypad.

Controller and reader in one

The full technology you need is all in one small device, so you'll save on cabling and won't have to waste time finding the right spot for the controller. It also works without the need to communicate with a server!

Strong in any environment

It might be small, but it's strong! 2N Access Unit M has an IP55 protection rating, meaning it can be installed outside and the glass front panel ensures it will remain scratch-free after years of daily use. Despite all this, we've kept it affordable.

Reads secured RFID cards

Eliminate the threat of access card copying. Use MIFARE® DESFire® cards encrypted by 2N® PICard technology and be sure that your assets and people are as safe as possible!

Variants & Accessories



Technical Parameters

Power supply

Type	PoE and/or 12 V/1 A DC
PoE	802.3af (Class 0–12.95 W)

Interfaces

LAN	10/100 BASE-TX Auto-MDIX, RJ-45 male (2,9m pigtail)
Recommended cabling	Cat-5e or better
Active switch output	8 to 12 V DC/max 600 mA
Passive switch	NO/NC relay, 30V 1A AC/DC
Inputs	2 inputs – in passive / active mode (-30 VDC to +30 VDC) 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 M
Audio	buzzer, 1W/8ohm
Supported protocols	DHCP opt. 66, SMTP, TFTP, HTTP, HTTPS, Syslog

Bluetooth Reader

Version	compatible with Bluetooth 5.0 LE
Range	adjustable (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 94.8 dBm
Mode	card, touch, tap in app

Mobile Application Support

Android 6.0 and higher, iOS 12.0 and higher

RFID Card Reader

Supported frequencies	125kHz and 13.56MHz variant
125 kHz	EM4xxx
13.56 MHz	reads UID (CSN): ISO14443A, PicoPass (HID iClass), FeliCa, ST SR(IX), NFC (2N® Mobile Key) reads secured MIFARE® DESFire® EV2/EV3 cards using 2N® PICard technology

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

Mechanical Properties

Frame	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	2N Access Unit M: 50 (W) x 133 (H) x 27 (D) mm Flush installation box: 40 (W) x 127 (H) x 68 (D) mm Surface mount box: 27 (W) x 134 (H) x 52 (D) mm
Weight	max 0.5 kg
Cover rating	IP55 and IK07