



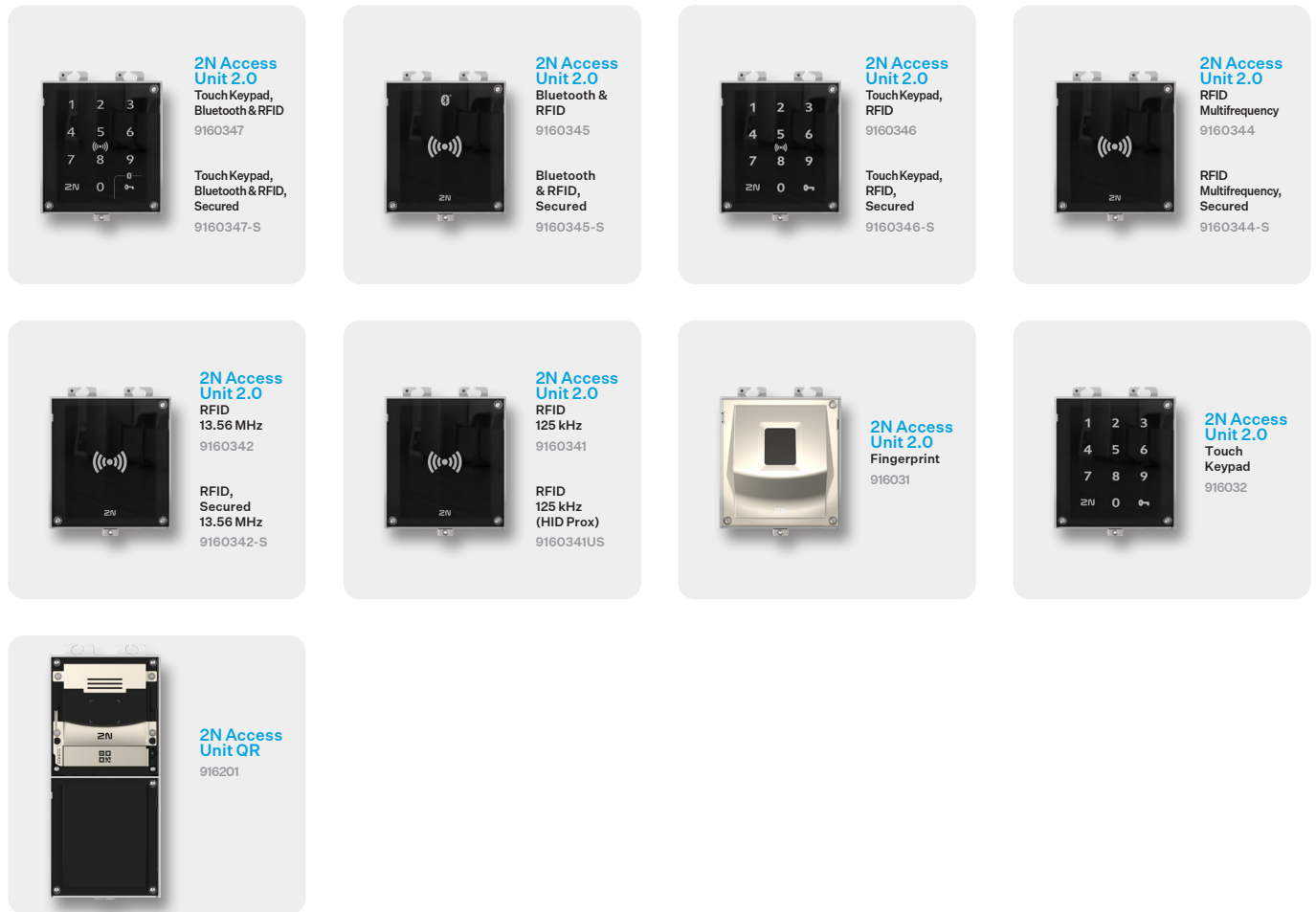
2N Access Unit 2.0

Modern reader with [multiple installation options](#)

Looking for a stylish access reader for your project? Residents of premium residential buildings will appreciate the 2N Access Unit 2.0. Choose modern access methods such as mobile credentials or fingerprint authentication. Prefer more traditional options? RFID cards and keypads are also available. Can't decide? Combine multiple access methods in a single device. And there's no need for external controllers—the intelligence is already built into every reader.

- Ideal for residential projects
- Flexibility for users
- Quick installation and remote administration
- You don't need a controller
- Flush mount or installation on glass
- Timeless solution

Variants



Technical Parameters

Power supply

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

Interfaces

LAN	10/100BASE-TX with Auto-MDIX, RJ-45 jack
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) OFF = open or Uin > 1.5 V ON = short-circuit 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

Bluetooth Reader

Version	compatible with Bluetooth 5.0 (BLE)
Range	(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 -93 dBm
Modes	touch, tap in app, card

Mobile Application Support

Android 12, iOS 18.0 (iPhone, iPad), visionOS 2.0 (Apple Vision), watchOS 11.2 (Apple Watch) - and higher

RFID Card Reader

Supported frequencies	125 kHz variant 13.56 MHz variant 125 kHz and 13.56 MHz variant
Supported card types	card type compatibility depends on Order No.
125 kHz	EM4xxx HID Prox – versions with 125 kHz support and S in Order No. Only
13.56 MHz	ISO14443A, PicoPass (HID iClass), FeliCa, ST SR(IX), NFC (My2N app) reads UID (CSN) and secured MIFARE® DESFire® EV2/EV3 cards using 2N PiCard technology
Secured 13.56 MHz	ISO14443A (MIFARE® DESFire®), PicoPass (HID iClass), FeliCa, ST SR(IX), NFC (My2N app), HID SE (Seos, iClass, MIFARE SE) reads secured MIFARE® DESFire® EV2/EV3 cards using 2N PiCard technology reads PACS ID (HID iClass cards with SIO object)

Touch Keypad

Technology	capacitive touch layer (sensitivity 0.1 pF)
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

QR code specifications

Type	static QR containing 4-15 digits (decimal, hexadecimal)
Versions	1 - 40 (all the versions supported)
Others	QR code can be coloured and can contain an image

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	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 max 0.8 kg
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, Bluetooth and fingerprint readers, keypad, I/O module, Wiegand, etc.

Warranty

5-year warranty see https://www.2n.com/en_GB/support/warranty-and-repairs
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