



# 2N Access Unit 2.0

## Modern reader with [multiple installation options](#)

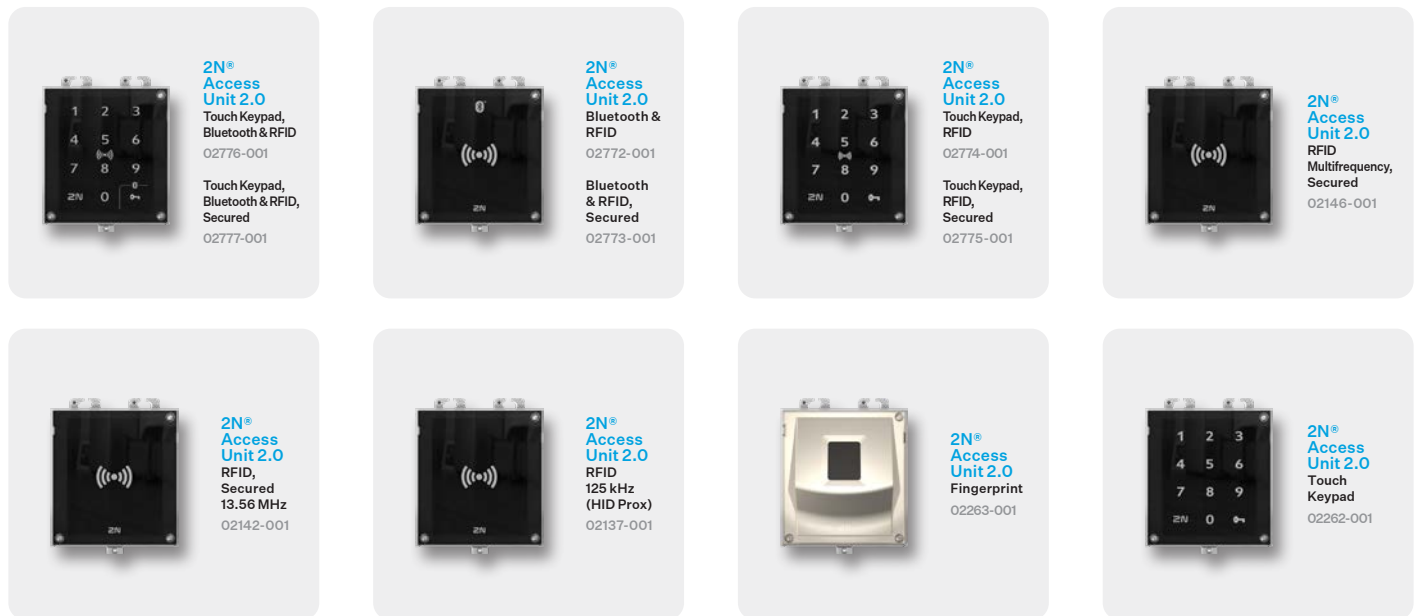
2N Access Unit 2.0 is a versatile smart reader that combines up to three access technologies in a single device and offers maximum flexibility for users. Traditional users can use an RFID reader or PIN, while fingerprint or mobile access is available for modern users. No need to look for a door controller to use with these readers, the controller is already integrated into every reader.

- Flexibility for users and credentials
- Quick installation and remote administration
- All-in-one unit, no extra door controller needed
- Surface, flush, or glass mount options
- Stainless steel or black stainless steel cover plate options

Member of the AXIS group



## Variants



## Technical Parameters

### Power

Power in	12 V DC, max 1 A or Power over Ethernet (PoE) IEEE 802.3af, Class 0 - 12.95 W
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### Interfaces

LAN	10/100BASE-TX with Auto-MDIX, RJ-45 modular 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 1 A @ 30 V DC
Inputs	2 inputs - in passive/active mode (-30 V to +30 V DC) OFF = open or $U_{in} > 1.5$ V ON = short-circuit 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

### Bluetooth Reader

Version	compatible with Bluetooth 5.0 LE
Range	(short - typically up to 9 ft*, long - typically up to 30 ft*) *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
Mode	touch, tap in app, card

### 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
Supported card types	card type compatibility depends on Order No.
125 kHz	EM4xxx HID Prox
13.56 MHz	ISO14443A (MIFARE® DESFire®), PicoPass (HID iClass), FeliCa, ST SR(IX), NFC (2N® Mobile Key), HID SE (Seos, iClass, MIFARE SE) reads UID (CSN) and secured MIFARE® DESFire® cards using 2N® PICard technology reads PACs ID (HID iClass cards with SIO object)

### Touch Keypad

Technology	capacitive 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 60 x 80 inch
Certification	certified according to FBI standard

### Mechanical Properties

Frame	robust zinc cast frame with surface finish (nickel and black color)
Operating temperature	-40°F to +140°F (2N® Access Unit 2.0 Fingerprint Reader -4°F to +131°F)
Storage temperature	-40°F to +158°F
Operating relative humidity	10%-95% (non-condensing)
Dimensions	Wall (surface) mounting frame: 1 module: 4.21 (W) x 5.11 (H) x 1.10 (D) inch Flush mounting frame: 1 module: 5.11 (W) x 6.02 (H) x 0.19 (D) inch Flush mounting box (minimum hole): 1 module: 4.25 (W) x 5.15 (H) x 1.77 (D) inch max 1.76 lb
Weight	max 1.76 lb
Cover rating	IP54 and IK08

### Extension Modules

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

### Warranty

5-years warranty see [https://www.2n.com/en\\_GB/support/warranty-and-repairs](https://www.2n.com/en_GB/support/warranty-and-repairs)