2N

2N Access Unit 2.0

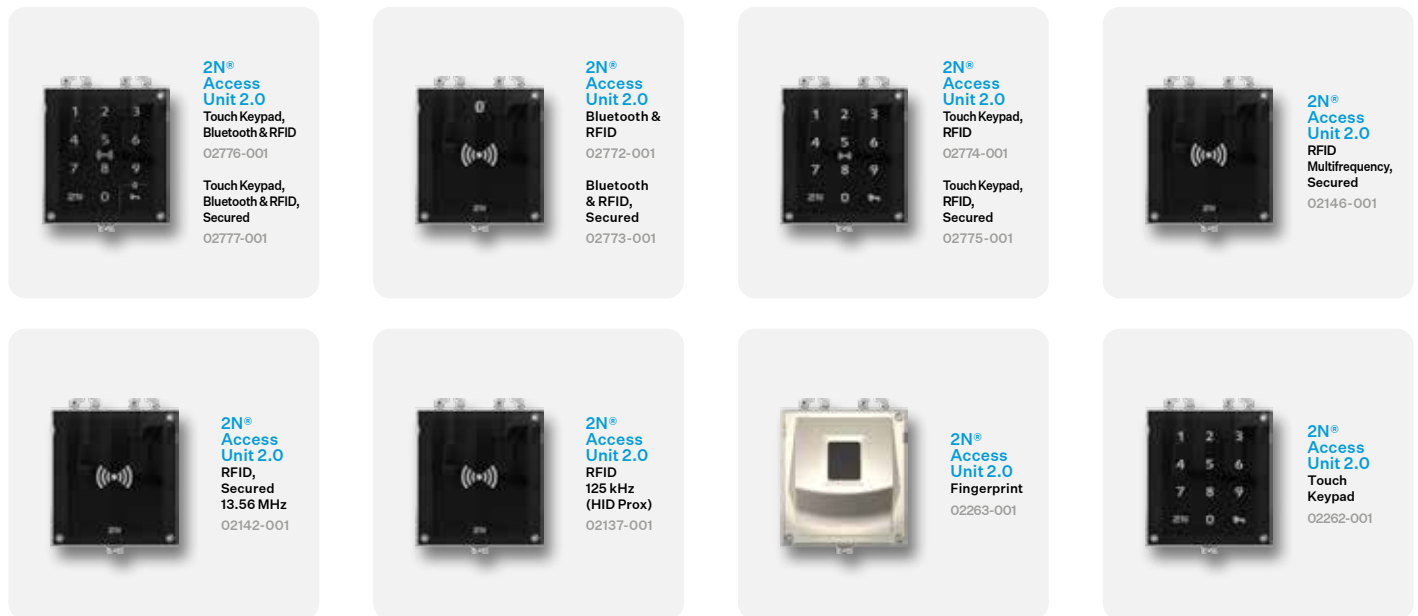## Modern reader with multiple installation options

Do you need a good-looking access reader for your project? All the residents of luxury residences will be delighted with the 2N Access Unit 2.0. Select modern access with a mobile phone or fingerprint. Do you prefer conventional methods? We also offer an RFID card reader or keypad. Cannot decide? Select a combination of several methods in one device. But don't look for controllers in our portfolio. They are already an integral part of 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

Member of the AXIS group

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COMMUNICATIONS

Variants

2N® Access Unit 2.0 Touch Keypad, Bluetooth & RFID 02776-001 / Touch Keypad, Bluetooth & RFID, Secured 02777-001	**2N® Access Unit 2.0** Bluetooth & RFID 02772-001 / Bluetooth & RFID, Secured 02773-001
2N® Access Unit 2.0 Touch Keypad, RFID 02774-001 / Touch Keypad, RFID, Secured 02775-001	**2N® Access Unit 2.0** RFID Multifrequency, Secured 02146-001
2N® Access Unit 2.0 RFID, Secured 13.56 MHz 02142-001	**2N® Access Unit 2.0** RFID 125 kHz (HID Prox) 02137-001
2N® Access Unit 2.0 Fingerprint 02263-001	**2N® Access Unit 2.0** Touch Keypad 02262-001

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 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 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 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 (SmartSence Auto-tunning)
	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
Weight	max 1,76 pounds
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.