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

Variants

2N® Access Unit 2.0
Touch Keypad, Bluetooth & RFID
9160347

Touch Keypad, Bluetooth & RFID, Secured
9160347-S

2N® Access Unit 2.0
Bluetooth & RFID
9160345

Bluetooth & RFID, Secured
9160345-S

2N® Access Unit 2.0
Touch Keypad, RFID
9160346

Touch Keypad, RFID, Secured
9160346-S

2N® Access Unit 2.0
RFID Multifrequency
9160334

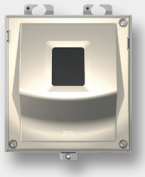
RFID Multifrequency, Secured
9160334-S

2N® Access Unit 2.0
RFID 13.56 MHz
9160342

RFID, Secured 13.56 MHz
9160342-S

2N® Access Unit 2.0
RFID 125 kHz
9160341

RFID 125 kHz (HID Prox)
9160341US



2N® Access Unit 2.0
Fingerprint
916031

2N® Access Unit 2.0
Touch Keypad
9160336

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
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 – versions with 125 kHz support and S in Order No. Only
13.56 MHz	ISO14443A, PicoPass (HID iClass), FeliCa, ST SR(IX), NFC (2N® Mobile Key)
	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 (2N® Mobile Key), 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 (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 15.24 x 20.32 mm
Certification	certified according to FBI standard
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
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.