NVITE Multiple Technology Reader

Product Description

NVITE is a multiple technology reader for contactless identification. It supports a wide range of credential technologies:

▶ QR: Quick Response and most mainstream 1D and 2D barcodes

▶ Proximity card (125 kHz): Nedap, HID Prox, EM4200, AWID

▶ Smartcard (13.56 MHz): LEGIC advant and prime, MIFARE (DESFire), HID iClass, Sony Felica

▶ BLE and NFC: Secure communication with third party mobile Apps, based on Nedap Mobile ID protocol

Communication Interfaces

NVITE ensures seamless integration and supports a variety of well-established industry-standard protocols, such as Wiegand, clock & data and serial connections such as RS485. It also supports the Open Supervised Device Protocol (OSDP) for advanced and secure communication between the NVITE reader and the control panel.

LED and beeper indication

The built-in high intensity red, green and blue LED's provide the user with visual feedback that the credential has been read or authorised. The LED and beeper functionality can be either controlled by the access control panel or pre-reconfigured.

Easy installation

The NVITE reader is ideal for mounting at a height of about 1.5 metres. The reader is IP65 rated, so it can be used outdoors as well as indoors. The reader is fitted with a tamper switch.

Features

▶ Reads multiple credential technologies, supporting Smartcards, Proximity cards, QR codes, Bluetooth and NFC

▶ Enables contactless identification

▶ Mobile ID Protocol for implementation with third party Apps

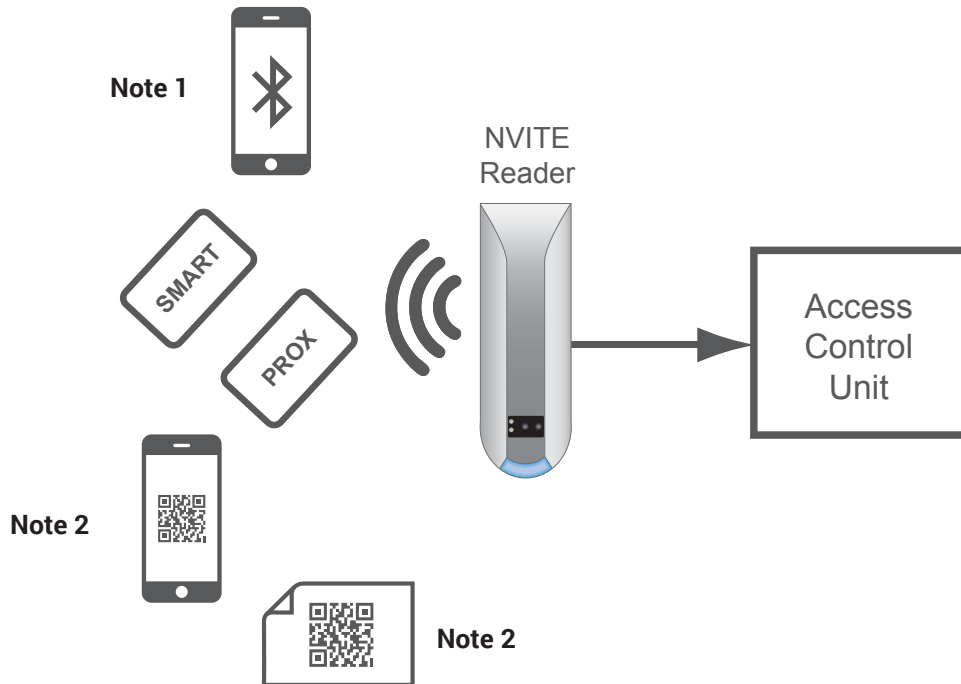▶ OSDP v2 supported including secure channel protocol

Specifications

Dimensions:	150 x 50 x 40 mm
Colour:	RAL9006 cover and RAL7016 chassis
Weight:	0.5 kg
Protection class:	IP65
Material:	Aluminium (Zamak5) chassis with polycarbonate cover
Operating temp:	-20...+60°C
Storage temp:	-20...+60°C
Relative humidity:	10% ... 93% relative humidity, non-condensing
Power supply:	12 to 24 VDC (from power-limited UL294 or UL603 Listed power source)
Power consumption:	0.4A@12VDC, 0.2@24VDC

Read range:	BLE: up to 15 metres (may be restricted by mobile app) NFC, LF proximity card and smartcard: up to 5cm
Barcode scanner:	QR-code (QR1, QR2, QR micro), as well as most mainstream 1D and 2D barcodes
Operating freq.:	Bluetooth Low Energy 2.402 - 2.480 GHz NFC & smartcards: 13.56 MHz Proximity cards: 120 kHz
Supported RFID cards:	
	120/128 kHz: Nedap + EM4200 + HID-PROX + AWID-LF
	13.56 MHz: ISO14443A, LEGIC advant, LEGIC prime, HID iCLASS, MIFARE DESFire (EV1/EV2), MIFARE Classic, MIFARE Ultralight (C), MIFARE Plus (SL3), ISO15693 and Sony Felica
Comm's interfaces:	RS485 and USB2 service interface, additional interfacing options exist - please consult our sales team
Comm's protocols:	CR/LF and OSDP. Mobile ID Protocol available on request - please consult our sales team
Input:	2 TTL digital inputs for LED control (RED/GREEN), 1 TTL digital input for beeper control
Output:	2 open-collector outputs (OSDP) Wiegand, Magstripe ISO7811/2 (clock & data)
Max. cable length:	Fixed 5 metre pigtail cable included Wiegand 150 metres 22 AWG RS485 1200 metres when installed correctly
Tamper switch:	Magnetic switch, normally closed
Standards:	Europe Directive 2014/53/EU (RED) USA: FCC Title 47 Part 15B and 15C Canada: ISED ICES-003 and RSS210
Safety:	EN62368
EMC:	EN301489
Telecom:	EN330 330 and EN300 328

Human Exposure assessment: ICNIRP Guidelines, EN62369 and EN50364. UL294

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NVITE Reader Supported Credentials

Note 1: In order to use BLE or NFC virtual credentials, an appropriate third party mobile app with supporting infrastructure is required.

Note 2: In order to use QR-codes as credentials, a third-party QR-code generator is required.

Ordering Information

9566945   NVITE Multi-technology reader. Supports QR-codes, Prox cards, Smartcards and BLE/NFC smart phone apps.