uPASS ACCESS ✴

| UHF reader for hands-free access

KEY FEATURES:

- Small reader design
- Consistent reading up to 2 meters (6 feet)
- Industry communication standards: Wiegand, serial connections, RS485
- Operates with passive UHF cards (EPC GEN 2)
- Supports combi card technology, UHF with HID, Legic, MIFARE, FeliCa, EM and Nedap
- Indoor and outdoor mounting (IP65 rated housing)**
- 3 color LED and beeper indication

Preliminary The Nedap uPASS Access reader offers a revolutionary and enduring solution for hands-free door access. The uPASS Access has the dimensions of a conventional access control reader but offers a read range unmatched in the industry. The uPASS Access reader provides identification at a distance of up to 2 meters [6 feet] using the latest UHF technology.*

Compatible with existing access control systems
uPASS Access supports reading battery-less UHF (EPC Gen II) access control cards. Nedap's portfolio contains various types of combi cards that combine UHF with conventional card technologies, such as HID Prox, HID iClass, EM, MIFARE and Legic. These combi card solutions enable compatibility with access control installations.

Card orientation freedom
A long range passive UHF card in direct line of sight will be identified up to 2 meters [6 ft]. Card orientation freedom is guaranteed by a patented antenna design. A person wearing a Nedap UHF credential on a lanyard can automatically be identified by the uPASS Access reader. The UHF cards are battery and maintenance free.

Multi-color LED control
The built-in high intensity red, green and blue LED's provide the user visual feedback that the tag has been read or authorised. The LED and beeper functionality can be controlled by the access control panel, but can also be pre-configured.

*when used according to the recommended guideline as described in the uPASS Access application note.

Plug & Play operation
The uPASS Access reader contains a patented antenna design, which is integrated in a compact slim line enclosure. It is ideal for doorpost mounting at a height of about 1,5 meters [4,5 ft]. The reader is IP65** rated, so it can be used indoors as well as outdoors. The reader features a tamper switch to immediately provide tamper evident indication. See for more information the uPASS Access application note.

Easy integration
Like all Nedap systems the uPASS Access supports common security industry communication standards, enabling seamless integration into any existing or new building access control system. It supports Wiegand connections as well as RS485 communication.

Applications
The uPASS Access reader is designed for hands-free door access in situations such as;
- access for staff in hospitals, office buildings and warehouses
- high volume entrances in office buildings, universities, factories
- peripheries of sites:
- reception areas with automatic doors, turnstiles, elevators
- entrances to apartment complexes
- convenient door access for disabled people

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SPECIFICATIONS

Technical information	uPASS Access
Operating frequency	865-868 MHz uPASS Access Region 1 902-928 MHz uPASS Access Region 2 915-928 MHz uPASS Access Region 3 (see HTOG)
Dimensions	150 x 50 x 40 mm [5.9 x 2 x 1.6 in]
Weight	0, 5 kg [1.1 lbs]
Housing	Aluminium (Zamak5) chassis with polycarbonate cover
Colour	RAL7016 cover and RAL9006 chassis
Protection	IP65 [approx.NEMA4x] **
Detection range	Up to 2 meters [6 ft] with passive Nedap UHF cards or Nedap UHF Combi cards
Range check	LED LED indications Green Red Blue + mix
Operating temperature	-30...+60°C [-22...+140°F]
Power	12...24 VDC +10% linear supply recommended
Current consumption	1A @12VDC, 0.5@24VDC
Identification	The reader only supports read commands, so it cannot be used to write data into the memory of the tags
Input	2 TTL digital inputs for LED control (RED/GREEN) 1 TTL digital input for beeper control
Tamper indication	Yes by magnetic tamperswitch
Output	Wiegand, clock & data, magstripe (depending on programmed tag format and configurable)
Cable distance	Wiegand 150 m [500 ft] 22AWG RS485 1200 m [3950 ft] when installed properly
Cable	Fixed cable length of 5 meters [16.4 ft] included (pigtail)
Interfaces	RS485 and USB2 service interface
Encrypted air interface	According to ISO 18000-6 C
Certifications	CE, FCC
EMC	European Directive for EMC 89/336/EEC,EN301489-1
Safety	EN 60950
Part nr.	9958240 uPASS Access dark grey region 1 9206663 uPASS Access dark grey region 2 9211926 uPASS Access dark grey region 3
Documentation	How to order Guide (HTOG) uPASS Access Quick Reference uPASS Access Install Guide uPASS Access Firmware Guide uPASS Access Application note