

# uPASS ACCESS

## SMALL UHF-READER FOR HANDS-FREE DOOR ACCESS



### KEY FEATURES:

- Small reader design
- Consistent reading up to 2 meter (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

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 read range unmatched in the industry. The uPASS Access reader offers identification up to 2 meters [6 feet] using the latest UHF technology.\*

### Compatible with existing access systems

uPASS Access supports reading battery-less UHF (EPC Gen II) access control cards. Nedap's portfolio holds various types of combi cards that combine UHF with conventional card technologies, such as HID Prox, HID iClass, EM, Mifare and Legic. The combi card solutions ensures compatibility access control installations.

### Card orientation freedom

A long range passive UHF card visible in direct line of sight will be identified up to 2 meters [6 ft]. Card orientation freedom is guaranteed by the patented antenna design. A person wearing a Nedap UHF credential on a lanyard can automatically be identified by the uPASS Access reader without the need to present the card to the reader. The UHF cards are battery and maintenance free.

### LED control

The built-in high intensity LED provides 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.

### Plug & Play operation

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

### Easy integration

Like all Nedap AVI 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.

### Applications

The uPASS Access reader is designed for hands-free door access in applications 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

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

# SPECIFICATIONS

TECHNICAL INFORMATION	uPASS ACCESS
Operating frequency	Region 1: 865–868 MHz Europe Region 2&3: 902 — 928 MHz (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
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 tamper switch
Output	Wiegand, clock data, magstripe (depending on programmed tag format)
Cable distance	Wiegand 150 m [500 ft] 22AWG RS485 1200 m [3950 ft]
Cable	Fixed cable length of 5 meters [16.4 ft] included
Interfaces	RS485 and USB2 service interface
Encrypted air interface	According to ISO 18000–6 C
Certifications:	FCC (preliminary), CE
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&3
Documentation	How to order Guide (HTOG) uPASS Access Quick Reference uPASS Access Install Guide uPASS Access Firmware Guide uPASS Access Application note