

uPASS REACH

| Long range identification UHF reader



KEY FEATURES:

- Elegant slim design
- Consistent reading up to 5m [16,4 ft]
- Operates with passive UHF cards (EPC GEN 2)
- Competitive pricing
- On-site adjustable reading
- Indoor and outdoor mounting (IP65 rated housing)
- 3 color LED and beeper indication

Based on battery free passive UHF the uPASS Reach reader offers a cost effective and enduring solution for parking access. The uPASS Reach reader offers long range vehicle identification up to 5 meters [16,4 ft]* using the latest UHF technology. (* : when used according to the recommended guideline as described in the uPASS Reach Installation Guide.)

Compatible with existing access control and parking systems, uPASS Reach complies with the ISO 18000 6 c and EPC global Gen2 directive, reading battery-less UHF (EPC Gen 2) access control cards. Nedap formatted tags are available for added security.

Long Range Identification

A long range passive UHF tag in direct line of sight will be identified up to 5 meters [16,4 ft]. The UHF tags 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.

Plug & Play operation

The uPASS Reach reader features an integrated fine-tuned antenna in a compact enclosure. Upgrading existing proximity Wiegand reader installations can be accomplished without additional wiring. 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. For more information, refer to the uPASS Reach installation guide and the uPASS Application Note.

Easy integration

Like all Nedap systems, the uPASS Reach supports a variety of well-established industry-standard protocols, such as Wiegand, clock & data and serial connections like RS232. This enables seamless integration into any existing or new access control or parking system.

Applications

The uPASS Reach reader is designed for parking access in residential and commercial applications such as:

- gated communities
- condominiums
- car parks
- employee parking

SPECIFICATIONS

Technical information	uPASS Reach
Operating frequency	865-868 MHz uPASS Reach Region 1 902-928 MHz uPASS Reach Region 2&3 (see HTOG)
Dimensions	200 x 220 x 45 mm [7.9 x 8.7 x 1.8 in]
Weight	0,75 kg [1.65 lbs]
Housing	Aluminium chassis with UL94 ABS cover
Protection	IP65 [approx.NEMA4x]
Detection range	Up to 5 meters [16,4 ft] with passive Nedap UHF tags
Range check	LED
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 read supports read only commands
Frequency offset	See Quick Reference Guide (Frequency selection)
Input	1 dry contact or TTL
Relay output	1 relay output (NO, common, NC), 24 VDC 2A
Output	Wiegand, clock & data
Cable distance	Wiegand 150 m [500ft] 22AWG
Interfaces	RS232, RS422 and USB service interface
Communication protocols	CR/LF, DC2/DC4 and various OEM protocols (refer to uPASS firmware guide for more information)
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.	9942319 uPASS Reach (Region 1) 9945466 uPASS Reach (Region 2&3)
Optional mounting accessoires	9875840 Adjustable mounting bracket 9943803 UHF Pole mount (all brackets for easy mounting onto a pole) 7591152 UHF Weather protection hood (reader protection for gooseneck or pole mounting)
Documentation	How to order Guide (HTOG) uPASS Reach Quick Reference Guide uPASS Reach Installation Guide uPASS Firmware Guide uPASS Application note
Document version nr.	4.2