uPASS Reach

Long range UHF parking access reader

Key Features:

- Consistent reading up to 4m [12 ft]
- Operates with passive UHF tags
- EPC Gen 2 compatible
- Competitive pricing
- On-site adjustable reading
- Elegant slim design
- LED and audible read indication
- Weatherproof protected housing

The uPASS Reach reader offers long range vehicle identification up to 4 meters [12 ft] using the latest UHF technology. Based on battery free passive UHF the uPASS Reach reader offers a cost effective and enduring solution for parking access.

The system is based on a uPASS Reach reader and a UHF tag. The Reach readers are installed next to the gate on a maximum height of 2 meters [6 ft]. This can be accomplished without any additional mounting accessories or wiring, when upgrading existing proximity Wiegand reader installations.

A long range passive UHF tag visible in direct line of sight will be identified up to 4 meters [12 ft]. The UHF tags are battery and maintenance free.

The reader output allows the access control or parking system to open the gate when authorized without the need to present a badge. The built-in high intensity LED provides the user visual feedback that the tag has been read.

The reader only supports read commands, so it cannot be used to write data into the memory of the tags.

Plug & Play operation

The uPASS Reach reader has an integrated fine-tuned antenna in a compact enclosure ideal for outdoor as well as indoor applications. Like all Nedap's AVI systems, the uPASS Reach reader supports all common industry communication standards, enabling seamless integration into any existing or new access control or parking management system.

EPC global Gen2

The uPASS Reach complies with the ISO 18000-6 c and EPC global Gen2 directive. Nedap formatted tags are available for additional security.

Applications

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

- gated communities
- condominiums
- car parks and
- employee parking.

nedap® avi

Specifications

uPASS Reach reader

Operating frequency	Region 1: 865 - 868 MHz	Europe
	Region 2&3: 902 - 928 MHz	Americas, Brasil, China, Singapore, Thailand, Australia and Korea
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 4 meters [12 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 A@24VDC	
Identification	Read Only	
Frequency offset	See application note dense reader mode	
Input	1 dry contact or TTL	
Relay output	1 relay output (NO, common, NC), 24 VDC 2A	
Output	Wiegand, clock data, magstripe (depending on programmed tag format)	
Cable distance	Wiegand 150 m. [500 ft] 22AWG	
Interfaces	RS232, RS422 and USB service interface	
Communication protocols	CR/LF, DC2/DC4 and various OEM protocols (for more information see firmware manuals)	
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 accessories	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	
	uPASS Quick Reference	
	uPASS InstallGuide,	
	uPASS Firmware Guide	
	uPASS Application note	

*see for more information the How to order Guide