

## uPASS TARGET Long-Range UHF RFID Reader For Vehicle Identification

### Product Description

The uPASS Target from Nedap is a long-range reader based on passive UHF RFID technology. It offers long-range identification at up to 10 metres when used according to the recommended guidelines.

The uPASS Target is a robust solution for long-range identification of vehicles, people and rolling stock. It is ideal both for access control to gated sites and for close monitoring of traffic flow activities at industrial sites and logistic depots.

Its Plug-and-Play features enable it to be installed in just a few simple steps. Its variety of industry-standard communication interfaces supports seamless integration into any existing or new third party systems for access control, logistic operations, security and parking.

An optional external antenna is available, which can be used to expand the reading scope of the reader in a cost-efficient way. Additionally, the external antenna can be used in situations where reading of both vehicle entry and exit lanes is required.

The uPASS Target complies with the standards for reading EPC Gen 2 passive UHF tags.



### Features

- ▶ Reads at up to 10 metres
- ▶ Industrial reader design
- ▶ Operates with passive UHF tags (EPC GEN 2)
- ▶ Circular polarized antenna (freedom of tag orientation)
- ▶ Easy integration and installation
- ▶ On-site adjustable read range

### Applications

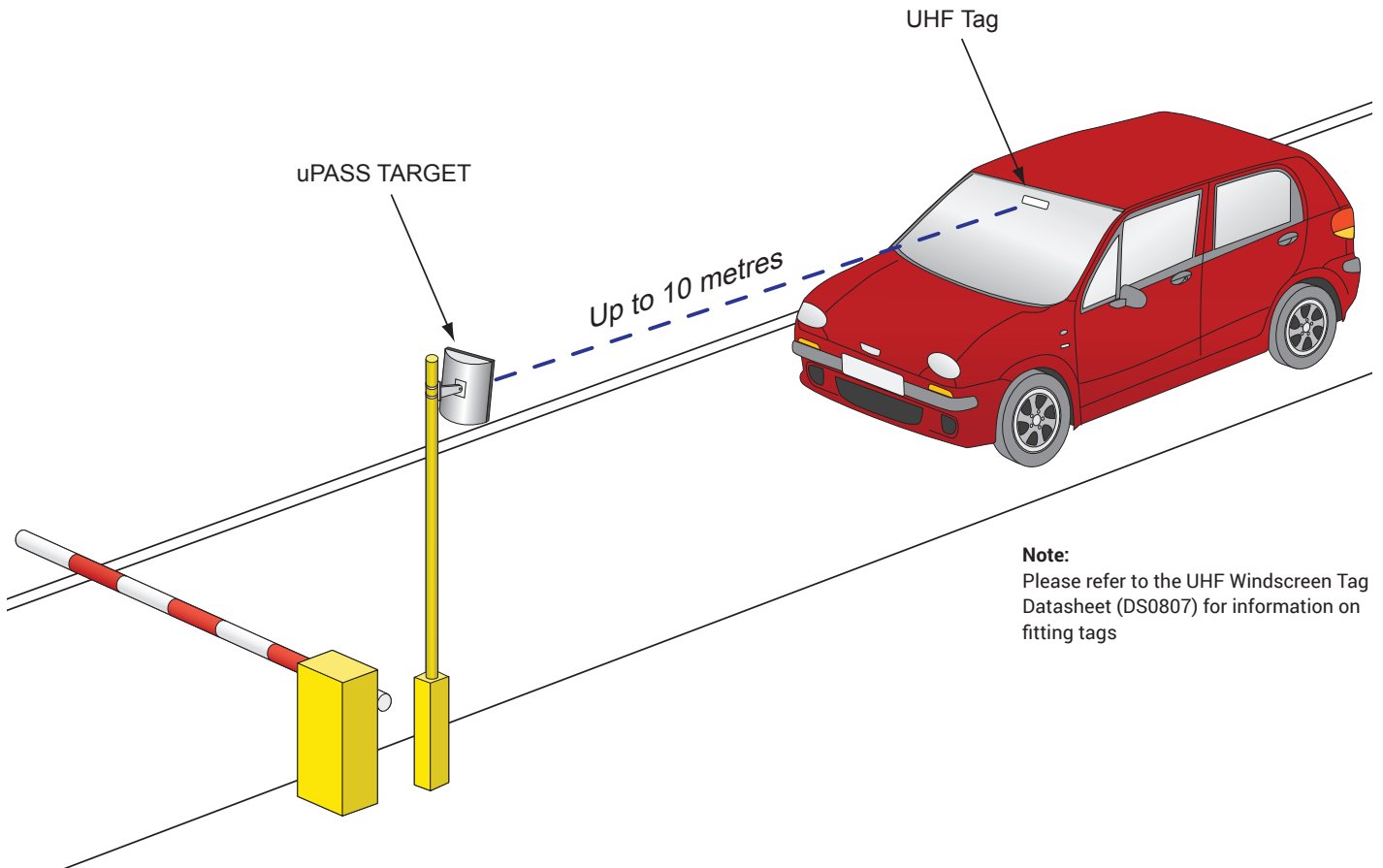
- ▶ High-speed transportation
- ▶ Rail yards and bus depots
- ▶ Car park facilities
- ▶ Internal logistics
- ▶ Industrial operations
- ▶ Automated truck activities

### Specifications

Operating freq.:	865-868 MHz (902-928 MHz option available)
Dimensions:	286 x 285 x 78 mm
Weight:	3.5 kg
Housing:	Aluminium chassis with UL94 ABS cover
Protection:	IP66
Detection range:	Up to 10 metres with passive Nedap UHF tags
Polarization:	Circular polarization
Operating temp.:	-30 to +60°C
Relative humidity:	10 to 93% non-condensing
Power:	12 to 24 VDC supply recommended / PoE+ PSE IEEE 802.3at compliant
Current:	1.5A @12VDC, 0.75@24VDC
Identification:	Read Only
Inputs:	2 digital inputs for LED control - active low inputs (0V - 5V) 1 digital input for reader disable - active low inputs (0V - 5V) 1 TNC Nedap UHF antenna
Relay output:	1 relay output (NO, common, NC), 24 VDC 2A
Data output:	Wiegand, magstripe (depending on programmed tag format)
Cable distance:	Wiegand -150m (22AWG)
Interfaces:	RS422 / RS485 , Ethernet 10/100Mbps and USB service interface
Air interface:	According to ISO 18000-6 C
Certifications:	CE, FCC, UL EMC European Directive for EMC 89/336 EEC, EN301489-1 Safety EN 60950

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### Application



### Ordering Information

<b>9217363</b>	uPASS Target Long range AVI reader with identification at up to 10 metres. ISO 18000 EPC Gen2 compliant.	<b>9219641</b>	UHF Vehicle identification tag designed for mounting on the exterior of the vehicle. Offers high performance on metal surfaces .
<b>9219021</b>	uPASS Target external antenna.	<b>9943943</b>	Long range UHF tag in ISO card format, not suitable for windshield mounting. Programmed with secured customer specific ID number.
<b>5626595</b>	Pole Mounting Set for uPASS Target.	<b>9942343</b>	UHF - Mifare 1K Card. Credit card sized ISO credential with combined UHF and HF Mifare 1K technologies.
<b>9218335</b>	uPASS Target weather protection hood.	<b>9943960</b>	UHF - Legic Advant Card. Credit card sized ISO credential with combined UHF and HF Legic technologies.
<b>7657870</b>	Power adapter (24VDC 1A, 100-240VAC)	<b>9942360</b>	UHF – EM4102 Card. Credit card sized ISO credential with combined UHF and LF EM4102 technologies.
<b>9945946</b>	Long range UHF tag for windshield mounting. Programmed with secured customer specific ID number.		
<b>9946918</b>	Tamper proof Long range UHF tag for windshield mounting. Destroys upon removal.		
<b>9215255</b>	Long Range UHF Exterior Tag. Suitable for mounting on headlights.		