

uPASS Target Antenna

optional antenna extension for the uPASS Target

Key features:

- ✓ operates with uPASS Target
- ✓ reading up to 10 meters (33 feet)
- ✓ operates with passive UHF tags (EPC GEN 2)
- ✓ adjustable read range
- ✓ 3 meters (10 feet) low loss outdoor RF-cable included



The uPASS Target Antenna is an external antenna for the uPASS Target reader. Based on passive UHF RFID technology, the uPASS Target reader identifies vehicles and people up to 10 meters (33 feet).

Antenna extension

In combination with the uPASS Target Antenna, the read-range of the reader can be extended for a wider scope. Additionally, the external antenna can be used in situations where reading of both vehicle entry and exit lanes is required (see Application Note). The uPASS Target reader has a TNC port to connect one external antenna.

Applications

Typical applications for uPASS Target Antenna combined with the uPASS Target reader are:

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

Like uPASS Target, the external uPASS Target Antenna offers:

- Freedom of tag orientation
- IP66 rated robust and industrial enclosure
- Plug & Play operation
- Easy system integration

Technical information	uPASS Target Antenna
Part number	9219021 uPASS Target Antenna (Region 1) 9219048 uPASS Target Antenna (Region 2&3)
Dimensions	286 x 285 x 78 mm (11.26 x 11.22 x 3.01 in)
Color	RAL 7016 (cover), RAL 9006 (chassis)
Weight	3.5 kg (7.72 lbs)
Protection class	IP66
Material	Aluminum chassis with UL94 ABS cover
Operating temperature	-30... +60°C (-22... +140°F)
Storage temperature	-30... +60°C (-22... +140°F)
Relative humidity	10...93% non condensing
Read range	Up to 10 meters (33 feet) with passive Nedap UHF tags
Operating frequency	865-868 MHz uPASS Target Antenna Region 1 902-928 MHz uPASS Target Antenna Region 2&3
Antenna polarization	Circular polarization
Air interface	According to ISO 18000-6 C
Cable specifications	3 meters (10 feet) low loss outdoor RF-cable included
Connectors	1x TNC (RP Female)
Compatible readers	9217363 uPASS Target (Region 1) 9217371 uPASS Target (Region 2&3)
Standards	CE, FCC, UL, UL294 European Directive for EMC 89/336/EEC, EN301489-1 EN 60950
Included accessories	9984364 Wall Mounting Set 5528364 Cable assembly (3 meters)
Optional accessories	5626595 Pole Mounting Kit 9218335 Weather Protection Hood
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