UHF Heavy Duty Tag

long-range vehicle identification tag

Key features:

- automatic vehicle identification
- identification up to 18 meters* (60 feet)
- passive, battery free tag
- EPC Gen 2 compatible
- mounted on the exterior of the vehicle
- high performance on metal surfaces
- chemical resistant housing
- water and shock proof

The UHF Heavy Duty Tag is a vehicle identification tag. This tag features a rugged design for long term outdoor use in industrial environments. The UHF Heavy Duty Tag is a cost effective solution for installations that require the tag to be mounted onto the exterior of the vehicle.

Based on passive UHF technology, the UHF Heavy Duty Tag is identified up to 18 meters* (60 feet) with uPASS Target or 10 meters (33 feet) with uPASS Go. The tag does not contain a battery and is maintenance free.

Typical applications include secured vehicle access in vehicle logistics, industrial operations, automated truck activities and parking access.

Industrial environments

The UHF Heavy Duty Tag is capable of reading on, off and near metal surfaces. The shock and impact resistant housing provides high resistance to aggressive liquids and excellent stability over fluctuating temperatures. The chemical resistant housing ensures ongoing long term performance. The elaborated designed and manufactured housing structure enables the tag to be truly waterproof.

Easy installation

The UHF Heavy Duty Tag needs to be mounted directly onto metal for optimal performance. It is featured with two mounting holes allowing easy permanent mounting onto the metal exterior of the vehicle.

Security

UHF Heavy Tags are available in various formats ensuring compatibility to any installation. Wiegand and Magstripe formatted tags are available to complement any access application. Nedap XS formatted tags are available to ensure easy integration for existing TRANSIT users. Nedap formatted UHF Heavy Duty Tags are featured with special security protection to provide data integrity and to prevent copying.

** In combination with the uPASS Target reader. The maximum read range depends on reader type, the installation and the environment.*

Technical information	UHF Heavy Duty Tag
Part number	9219641 UHF Heavy Duty Tag
Dimensions	110 x 25 x 12,85 mm (4.33 x 0.98 x 0.51 in)
Color	Grey
Weight	26 g [0.92 oz]
Protection class	IP68
Material	ABS rigid plastic
Operating temperature	-20 ... +85°C (-4 ... +185°F)
Storage temperature	-20 ... +85°C (-4 ... +185°F)
Relative humidity	10% ... 93% relative humidity, non-condensing
Read range	Up to 18 meters (60 feet) with uPASS Target Up to 10 meters (33 feet) with uPASS Go
Operating frequency	865 - 870 MHz / 902 - 928 MHz
Mounting	Onto the metal exterior of the vehicle using M5 screws. Fixation hole: 4,9 mm (0.19 in) / Screw center to center distance: 97,5 mm (3.84 in)
Compatible readers	uPASS Target uPASS Go uPASS Reach (EOL) uPASS Access (EOL)
Standards	EPC Gen 2, CE
Vibration	MIL STD 810-F
Shock	MIL STD 810-F
Document version number	5.3