

UHF



T500, T510 UHF Heavy Duty tag

- Fixed ID-code and two programmable memories
- Use on metal (T500) or any surface (T510)
- Stands vibrations and water
- Metal reinforcement (T510)
- No battery; long lifespan

Description

Scirocco's Heavy Duty tag T500/T510 has a robust design and can be mounted directly to a metal surface, also near the surface edge. The tag conforms to ISO18000-6C (C1G2) and can be read at up to and beyond 200 km/h. T500/T510 has a unique 64-bit TID (Tag ID) from factory and features two programmable memory areas with 128 bits and 512 bits respectively. Further system functionality is possible thanks to that T500/T510 supports C1G2 access and kill commands.

The T500 is designed so that its performance is enhanced on metal - ensuring the correct physical interaction between the tag and metal for maximum performance. With T510, a metal reinforcement structure ensures defined performance regardless of to which surface the tag is mounted. Materials have been carefully selected for good tolerance against mechanical, climatic and chemical stress.

Technical data

Frequency range	865 - 868 MHz
Polarisation	Linear, E-vector along the longer side of the tag
Read/write range with R600 and A100	10 m reading, 5 m writing (on metal with 0.6 – 1.0 mm acrylic adhesive fixation)
Tag ID, EPC and User Memory	64 bits, 128 and 512 bits respectively
Access and Kill passwords	32 bits, 32 bits
Reading rate with R600	170 reads/s (EPC 96 bits), 50 reads/s (TID), 30 reads/s (EPC + TID + User memory)
Dimensions and weight	155 x 32 x 10 mm, 24 grams (T500), 155 x 32 x 12 mm, 40 grams (T510),
Temperature	-40 to +70 °C (operating and storage)
Humidity	95%, non-condensing
Protection class	IP 68
Vibration	6 g (0.02 g ² /Hz, 0.5 h x 3 dir, 10-2000 Hz)
Shock	10 g x 1000 shocks 6 ms x 3 directions
Drop	1m x 10 drops on concrete
Electromagnetic compatibility	EN 301 489-1, EN 301 489-1-3
Radio regulation and -protocol	EN 302 208-1, EN 302 208-2 and ISO 18000-6C (C1G2)
Material	Acrylonitrile butadiene styrene (ABS)

Key data

ID code	64 bits
Memory size	128 and 512 bits
Read distance	10 m
Passage speed	200 km/h

Order data

UHF Heavy Duty tag	T500
UHF Heavy Duty tag, reinforced	T510