

DARSGO UNIT

- User-friendly and easy to use,
- Radio frequency immunity to all Wi-Fi sources,
- Low-power technology with ultra-fast, state-of-the-art Dedicated Short-Range Communications (DSRC)



OVERVIEW

The DarsGo unit is an advanced On-Board Unit specially developed to cover the need for the declaration and storage of vehicle axles. New signal discrimination technology enables immunity to Radio Frequency (RF) interference from Wi-Fi-enabled devices around the vehicle.

With its robust design and interface, the DarsGo unit is designed to facilitate easy operation for the user and to blend unobtrusively into the interior of the vehicle. Low-power technology ensures low current draw while supporting fast 5.8 GHz CEN TC278 compliant DSRC processing.

The DarsGo unit is based on more than 30 years' experience and proven technology, supporting all current and future 5.8 GHz CEN DSRC protocols.

The DarsGo unit is easily mounted and removed from the windscreen using a slide-in bracket.

FEATURES

- A long service-life with intelligent signal discrimination,
- Multi-application support,
- Plug-and-play operation,
- Visual indicators for operational status and axle count,
- Slide-in mounting bracket and private label,
- An extremely robust design.



TECHNICAL SPECIFICATIONS

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| Dimensions: | L: 73 mm/ W: 42 mm /H: 21 mm |
| Operating frequency: | 5.8 Ghz CF |
| Download bit rate: | 500 kbps |
| Uplink bit rate: | 250 kbps |
| Sub carrier frequencies: | 1.5 MHz (profile 0) 2.0 MHz (profile 1) |
| RTTT profiles: | EN 13372 sets A and B |
| Max communication range: | ≤ 10m |
| Max radiated power: | -21.4 dBm (EIRP) |
| Power supply: | Single Battery coin cell |
| Transaction capacity: | Class A2 ref ISO 14815 |
| Environmental conditions: | Class H1 ref ISO 14815 |
| Operating temperature: | -40 °C to +85 °C |
| Storage temperature: | -40 °C to +40 °C |
| IP Grade: | IP4X |

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| Standards | |
| CEN TC278: | EN 13372 EN12253 Physical layer EN 12795 Datalink layer EN12834 Application layer |
| Safety: | EN 60950-1 |
| Environmental: | IEC 60721-3-5 Class 5K3/5K4H/5B1/ 5C1/5S1/5F1/5M3 |
| Applications: | ISO 14906/EN15509 EFC |
| EU Directive compliance: | R&TTE 1995/5/EC EMC 2004/108/EC LVD 2006/95/EC RoHS 2011/65/EU WEEE 2012/19/EU |

