

A939

Vehicle Mount RFID Interface

The **ideal RFID companion for vehicles**



Features

- **Multi-Regional Support**
 - ETSI EN 302 208
 - FCC part 15
- **Integrated antenna for UHF Badge reading**
- **External antenna connector for trailer identification**
- **Bluetooth/RS232 communication**
- **Easy to install**
- **Standard automotive power supplies**

Applications

- **Identification of drivers, trailers and GPS position (geolocation) via coupled Bluetooth® device**
- **Fleet management of trucks**
- **Short and long range access control**
- **Waste management via identification of waste containers**

General Info

The CAEN A939 Vehicle Mount RFID Interface is a device that allows to identify and monitor the presence of a trailer via UHF RFID. It is a box that requires a 9-36VDC input and allows Bluetooth® class 2 / RS232 communications.

The A939 has an internal antenna that can be used for on-board badge identification of the driver and a connector for an external antenna. The external antenna can be mounted on the rear of the cab, thus allowing to read UHF tags located on the trailer surface up to 2m distance.

The A939 Vehicle Mount RFID Interface can be coupled with Bluetooth® enabled mobile devices, thus providing transfer of UHF RFID reading of tags via remote GPRS to a central server. If the coupled mobile device has a GPS on board, the complete system enables also geolocation and driver identification throughout the complete trip.



easy2read[®] Family

The EASY2READ[®] family constitutes a complete and reliable product line of readers for any Auto-ID need. A reading range from a few centimetres up to 7-8 metres distance makes the EASY2READ[®] family suitable for applications such as access control, UHF gates, desktop reading or OEM modules for integration into handheld or printer devices.

- OEM Readers
- Fixed Readers
- Desktop Readers

Technical Specifications Table

Frequency	865.600÷867.600 (ETSI EN 302 208) 902÷928 MHz (FCC part 15)
Output Power	Card reader: 50 mW ERP Antenna Connector: 500 mW (27 dBm)
Antenna Connector	Nr. 1 SMA type female
Standard Compliance	EPC C1G2/ISO 18000-6C
Digital I/O	Two I/O lines, TTL Level
Comm Link	Bluetooth / RS232
LED display	BLUE: Bluetooth Activity GREEN: Power YELLOW: RF Activity
Dimensions	130 x 100 x 34 mm ³ (5.11 x 3.93 x 1.34 inches ³)
Voltage Supply Range	9÷36V
Power Consumption	210 mA peak @ 24 V (TX/RX mode) 70 mA @ 24 V (idle mode)
Operating Temperature	-20 °C to 60 °C
Weight	175 g

Ordering Option

Code	Description
WA939XAAAAA	A939 - VEHICLE MOUNTING RFID INTERFACE BASE
Accessories	
WCAV0AAAX003	SMA-N antenna cable, insertion loss 0.32dB/m length 5mt
WANTENNAX005	Circular polarized 860 - 960 MHz antenna
WANTENNAX007	Linear polarized 860 - 970 MHz antenna



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