

Cryptographic Module Data Sheet

Version 2

Key Features*

- secure storage of secret vehicle keys for
 - immobilizer (Gen 6),
 - component protection (Gen 3),
 - secure onboard communication (HCP4),
- calculation of CMAC, HMAC and SipHash2.4 using the stored secret vehicle keys

* are designed to work within the PPE platform



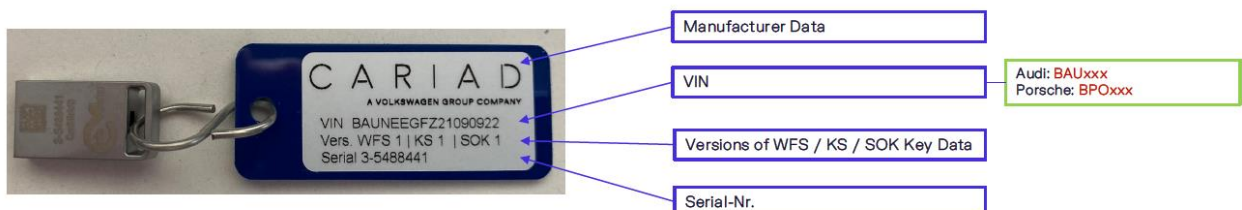
Description

The cryptographic module is based on WIBU Systems CmStick/B. It provides a solution to store secret data of virtual vehicles and enables the calculation of cryptographic signatures. The system is compatible with SUSAN advanced from CARIAD SE. You will find a detailed description of the full set of functions and applications in the SUSAN User Manual as well as use cases and limitations.

Technical Specifications

Parameter	Value
Input Voltage Range:	5V bus-powered
Power Consumption:	20 mA max.
Connection:	USB 3.1 A-type connector, Human Interface Device (HID)
Working Temperature Range:	-40 °C to +90 °C, non-condensing
Storage Temperature Range:	-40 °C to +90 °C,
Dimensions:	Ca. 22 mm × 12,1 mm × 4,5 mm (w/h/d)
Weight:	Ca. 3,1g

Product Images



Export Control Regulations

All products of the SUSAN product family are classified under US-Export Control Regulation as: EAR 99.