

ZERTIFIKAT CERTIFICATE

Hiermit wird bescheinigt, dass die Firma / *This certifies, that the company*

Analog Devices Inc.
One Analog Way
Wilmington, MA 01887
USA

berechtigt ist, das unten genannte Produkt mit dem abgebildeten Zeichen zu kennzeichnen.
is authorized to provide the product mentioned below with the mark as illustrated.

Beschreibung des
Produktes:
(Details s. Anlage 1)
Description of product:
(Details see Annex 1)

**Automotive Wireless Battery Management
System**

Sentinel wBMS

Geprüft nach:
Tested in accordance with:

ISO/SAE 21434:2021-08



Registrier-Nr. / *Registration No.* 44 331 122229501
Prüfbericht Nr. / *Test Report No.* TNM_8121542038-D03_CSA-R_V1.0
Aktenzeichen / *File reference* 3539 2802 / 8003082253

Gültigkeit / *Validity*
von / *from* 2025-09-04
bis / *until* 2028-09-03


Zertifizierungsstelle
der TÜV NORD CERT GmbH

Essen, 2025-09-25

TÜV NORD CERT GmbH

Am TÜV 1

45141 Essen

45307 Essen

technology@tueb-nord.de

Bitte beachten Sie auch die umseitigen Hinweise
Please also pay attention to the information stated overleaf

ANLAGE ANNEX

Anlage / Annex 1

Registrier-Nr. / Registration No. 44 331 122229501

Produktbeschreibung: Product description	Automotive Wireless Battery Management System
Prüfgegenstand: Test Object	Sentinel wBMS
Produktbeschreibung: Product description	Sentinel wBMS is a purpose-built secure system solution, tailored for automotive battery management systems. Security is designed in through a systematic threat assessment and risk analysis of the battery lifecycle.
Prüfresultatdetails: Detailed Assessment Results	The cyber security activities performed during the out of context development have been assessed in accordance to CAL4 requirements defined in the informative Annex E of ISO/SAE 21434:2021.
Grenzen der Evaluierung: Assessment boundaries	The performed assessment confirms that the product has been developed as an out of context component in accordance with the requirements of the ISO/SAE 21434:2021.
Hard- und Softwarestände Hard- and Software Version	Technical data: The validity of the assessment is only given for the following versions: HW Version: ADRF880xWASWz – Battery Standalone node Radio System on Chip ADRF885xWASWz – Network Manager Radio System on Chip ADBMS68xx – Ultra accurate Cell Monitor ADBMS295x/LTC2949 – Ultra accurate Pack Monitor SW Version: WBMS Standalone Node Executable Rel. 3.2.0.34 & 3.3.0.159 WBMS Node Firmware Programming Application Rel. 1.101.0.45 & 1.101.2.23 WBMS Network Manager Executable Rel. 3.2.0.39 & 3.3.0.156 WBMS Network Manager Firmware Programming Application Rel. 1.101.0.40 & 1.101.2.21 WBMS Interface Library Rel. 3.1.0.9 & 3.3.0.27


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Essen, 2025-09-25