

Arasan Announces the Industry's First ASIL-D Certification for its CAN XL IP Core

SAN JOSE, Calif., Apr. 21, 2026

Arasan Chip Systems, the industry's leading provider of IP for Mobile and Automobile SoCs, announced today that its CAN XL IP has achieved the ASIL-D Certification. The certification also covers Arasan's CAN FD IP and CAN 2.0 IP. The CAN XL IP has been independently certified by SGS-TÜV Saar as ASIL-D, the highest safety level of functional safety defined in ISO 26262, the international standard for functional safety in road vehicles.

SGS TÜV SAAR

CERTIFICATE NO. FS/71/220/26/2236 PAGE 1/1
ZERTIFIKAT NR. SC07290

LICENCE HOLDER & MANUFACTURER
GENEHMIGTES UNTERNEHMEN & HERSTELLER
Arasan Chip Systems, Inc.
2150 North First Street, Suite 403
San Jose, CA 95131
USA

Project No / ID
PROJEKT-NR./ID
W1UD-AUG1

LICENSED TEST MARK
GENEHMIGTES PRÜFZEICHEN

Certification Report No.
ZERTIFIKATSBERICHT-NR.
W1UD0001
is an integral part of this certificate
ist ein integraler Bestandteil dieses
Zertifikats.

Certified Product(s)
Zertifizierte(n) Produkt(e)
CAN2.0, CAN FD, CAN-XL Controller IPs

Tested according to
Geprüft nach
ISO 26262-5:2018 (Clause 8)

Technical Data and Parameter
Technische Daten und Parameter
The above-mentioned product has been approved based on the safety assessment of a reference configuration (see certification report for details).
The architectural metrics SPFM (Single Point Fault Metric) and LFM (Latent Fault Metric) are in conformance with ASIL D target values.
The certificate is for type approval and based on a detailed functional safety assessment. Any changes to the design or processes may require repetition of some of the assessment steps in order to retain type approval.
The certificate report is an integral part of this certificate. All requirements and specifications of the current valid revision of this report shall be met.

Surveillance
Überwachung
Certificate is valid for the specified version only, no surveillance necessary.

The certificate is based on voluntary tests. The compliance of the certified product against the requirements of above listed standards was evaluated. Any changes to the design, components or processes may require repetition of some parts of the certification in order to retain the certification. All applicable requirements of the testing and certification regulations of SGS-TÜV Saar GmbH have to be complied, see www.sgs-tuv-saar.com/center, EN17021 and www.sgs-tuv-saar.com/center.

Certification Body for Functional Safety and Cybersecurity
SGS-TÜV Saar GmbH
Certification Institute for Functional Safety and Cyber-Sicherheit

Puchheim, Apr 2nd, 2026

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Certificate is valid until
Zertifikat ist gültig bis
no time limit
or unless it is cancelled,
oder bis es gekündigt wird

Reference to SGS
Certification Database

The CAN XL IP is backward compatible with the CAN FD and CAN 2.0 standards. The ASIL-D certification also covers Arasan's CAN FD IP and CAN 2.0 IP which will continue to be sold as ASIL-D certified independent products.

Arasan is offering a free upgrade to its CAN XL IP for customers interested in licensing CAN FD until June 30, 2026. The gate count increase from CAN FD to CAN XL is minimal and customers are encouraged to leverage this promotion to adopt the latest version of the CAN Specification, CAN XL.

"Arasan's IPs have been used extensively in mission critical and life-endangering applications in defense, nuclear, aerospace, medical and automotive ADAS SoCs," said Ron Mabry, VP of Sales at Arasan. "The ASIL-D Certification attests to our fail-safe design philosophy."

Arasan has an extensive portfolio of ASIL-B, ASIL-C and ASIL-D certified products including the MIPI DSI-2 IP for Display, MIPI CSI-2 IP for Camera, both of which are seamlessly integrated with the MIPI D-PHY IP or the MIPI C-PHY IP, JEDEC eMMC IP for storage and UNH Certified automotive grade Ethernet IP when high speed automotive connectivity is required.

For more information, please visit:

<https://www.arasan.com/product/can-bus-controller-ip/>

About Avant Technology

Avant Technology Inc., founded in 1996 in Hsinchu, Taiwan, is a premier distributor of EDA tools and IP solutions across Asia. We connect clients with cutting-edge technology to fuel innovation and competitive advantage.

Learn more: <http://www.avant-tek.com/>

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