# Introducing Kvaser Edge: a secure Linux edge platform for automotive and industrial applications

*Mölndal, Sweden – February 26th, 2026*

Kvaser today announced Kvaser Edge, an open, secure Linux-based edge computing platform that transforms how automotive and industrial teams collect, process, and act on data. Designed for harsh environments and real-time performance, Kvaser Edge runs analytics directly where data is generated: on the vehicle, test bench, or machine.

Traditional machine-test workflows depend on PC connections and large data logs. Kvaser Edge introduces a new model for logging and edge computing applications across industries: a secure Linux-based system that processes data in real-time, with optional cloud or desktop analysis layers for deeper processing and collaboration. Test engineers or fleet managers capture only the data that matters, accelerating development and reducing unnecessary logging across automotive, off-highway, and industrial use cases, including:

- Real-time and remote diagnostics
- Predictive maintenance
- Intelligent filtering and event-based logging
- Fleet monitoring
- Off-highway telematics

## Intelligence at the point of measurement

Modern vehicles and machines generate huge data volumes, but most teams need smarter data, not more of it. Kvaser Edge delivers a full Linux environment that is compact enough to mount anywhere. It supports real-time filtering, data aggregation, and anomaly detection at the source, enabling faster insights and iteration during testing.

## Secure, reliable remote access

At its core is a powerful ARM-based Linux computer with an NXP SE051C2 Secure Element, designed to support CRA and RED cybersecurity requirements. Hardware based security protects collected data and intellectual property, making Kvaser Edge suitable for prototyping and large-scale deployments.

Teams can use the Kvaser Edge to monitor and troubleshoot units remotely. Integrated GPS support* adds optional location awareness for improved fleet visibility and security.

**Containerized applications and a dedicated OS**

The platform runs Kvaser Edge OS (KEOS), a Linux operating system designed for data acquisition and edge analytics. KEOS allows developers and test engineers to build secure, isolated Linux-based environments using containers that run on top of the OS. Each container offers a clean, reproducible workspace where teams can install their preferred distribution and tools, run multiple versions in parallel, and update them independently of the base system.

This containerized approach enables consistent deployments across vehicles or test rigs, with processed data easily routed to cloud or local servers. KEOS is designed for automotive-grade power conditions and resilience against sudden shutdowns, supporting rapid prototyping while keeping sensitive work protected.

**A platform for software developers, integrators, and early adopters**

Early adopters, including software partners such as Alkit, are already demonstrating how Kvaser Edge accelerates development and unlocks new test workflows. Kvaser is building a growing developer ecosystem with documentation, SDKs, and example projects that make it straightforward to build and package applications for Edge users. This enables software partners to bring specialized tools directly to automotive and industrial teams.

**Advancing Kvaser's mission**

Building on decades of trusted CAN and LIN expertise, Kvaser Edge introduces a new category of intelligent, secure, in-vehicle and in-machine edge computing. Together with KEOS, it provides a scalable path for modernizing data workflows.

Kvaser Edge will be available globally from February 2026. More information, including technical specifications and early use cases, is available at Kvaser Edge Platform, whilst 'Getting started' help can be found at https://kvaser.com/keos-webhelp/latest/

*external antenna not included

**About Kvaser**

With over 30 years of specialization in Controller Area Network (CAN) technology, Kvaser has built a reputation for precision, reliability, and durability. Today, we create tailored machine-to-machine (M2M) communication solutions that address the challenges of engineers designing systems in areas such as automotive, aerospace, agriculture, buses and trucks, battery management, defense, industrial automation, marine, medical, mining, and rail.

In addition to developing off-the-shelf products, we offer custom design services for OEM and ODM customers, ensuring effortless integration and optimal performance in every application. Our team works closely with other leading technology companies to foster an open ecosystem that enables seamless and cost-effective toolchain integration.

With R&D and production based in Sweden, we have regional offices in Mission Viejo, California and Novi, Michigan, USA; Shanghai, China; and Hong Kong, and a global network of highly knowledgeable Qualified Resellers and Technical Associates.

More information is available at https://kvaser.com/about-us/

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**Media Resources**

A high-resolution image is available for download at: Kvaser Marketing External

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