

New: CANedge3 - 2 x CAN/LIN Data Logger (SD + 3G/4G + GPS/IMU)

CSS Electronics newsletter - June 2023



CANedge3 (SD + 3G/4G + GPS/IMU) - now available

The [CANedge3](#) is now launched - and in stock!

The CANedge3 has been the #1 request from users for years now. Effectively, it's identical to a CANedge2 (incl. GPS/IMU), but with a SIM slot and 3G/4G connectivity instead of WiFi.

This makes the CANedge3 ideal if you need to collect CAN/LIN/GPS data from mobile assets in the field - such as cars, trucks, ships, tractors, bikes, trains and more.

We are confident that this will be a game changer for many use cases - and we're really happy about finally launching it!

Below we summarize key new features (see also our [LinkedIn post](#)):

Get your CANedge3 now



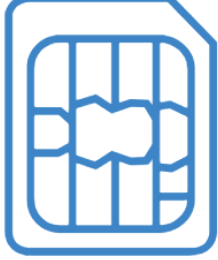
GPS + 3D IMU

The CANedge3 comes with an internal GPS/IMU module. This enriches your 2 x CAN/LIN data with valuable signals such as position, speed, acceleration, altitude, attitude, trip distance and more. Further, with automotive sensor fusion you can enhance the accuracy and retain a fix even in GNSS-hostile areas like urban cities, tunnels or parking lots.



SECURE 3G/4G

The CANedge3 has a micro SIM card slot, letting you insert your own SIM card for 3G/4G connectivity, globally. This lets the device upload recorded log files to your own S3 server with full over-the-air support. The CANedge3 also supports an optional encryptable PIN code for your SIM and secure TLS transfer.



SUPER SIM

The CANedge3 lets you use your own preferred SIM. However, we also include an optional global 'Super SIM' with powerful features and pre-negotiated 90% reduced transfer costs. As an example, the Super SIM costs/GB are ~90% lower for US users vs. Soracom SIM cards.



2-IN-1 ANTENNA

You can optionally deploy the CANedge3 with our three meter 2-in-1 IP65 LTE/GPS antenna. This lets you position the antenna optimally for coverage - while deploying the CANedge3 in a secure location.

Other highlights



Real-time CAN data via mobile app

In a new case study, Arktos Ag uses the CANedge3 and CANedge2 to collect ISOBUS + GPS/IMU data across a mixed fleet of tractors/implements in a large-scale hay farm. The hay baling data is visualized in real-time in a mobile app, allowing operators to better self-manage.

*"The CANedge is an **excellent choice** for securely and reliably getting CAN data off of any agricultural vehicle"*

Learn more

the CANedge (incl. GNSS/IMU) supports **internal GPS RTC sync**

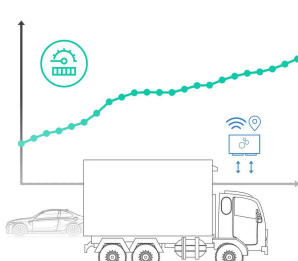


Sync your RTC via internal GPS time

If you have a CANedge incl. GPS/IMU, make sure to update your configuration to sync your real-time clock (RTC) with the high-precision internal GPS time. By doing so, you eliminate RTC drift and ensure that your CANedge RTC is continuously synced to stay within a sub-second threshold of the 'true' absolute time. We of course provide a quickstart guide in the CANedge intro.

Learn more

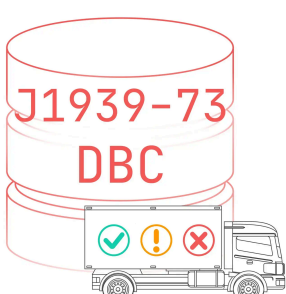
FW 01.07.03 adds **trip distance** for CANedge (incl. GNSS/IMU)



CANedge FW 01.07.03 is now available

Key FW additions include updates to the GPS module, support for 'trip distance' signals and an optional RTC sync message on the internal CAN channel. In addition, the update includes various smaller fixes and performance improvements.

Learn more



J1939-73 DBC file for diagnostics

Our new SAE J1939-73 DBC file contains decoding rules for converting J1939 diagnostic messages (DM1, DM2, ...) to 'physical values'. This helps you identify issues in e.g. trucks, tractors and buses. See our '[Grafana dashboard playground](#)' for a visualization of how this can be used in practice!

Learn more

Status at CSS

As evident, we are truly excited to have released the CANedge3 - and so far, the feedback from early access users - has been great!

Of course, we have more things coming - stay up to speed by [following us on LinkedIn](#).

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