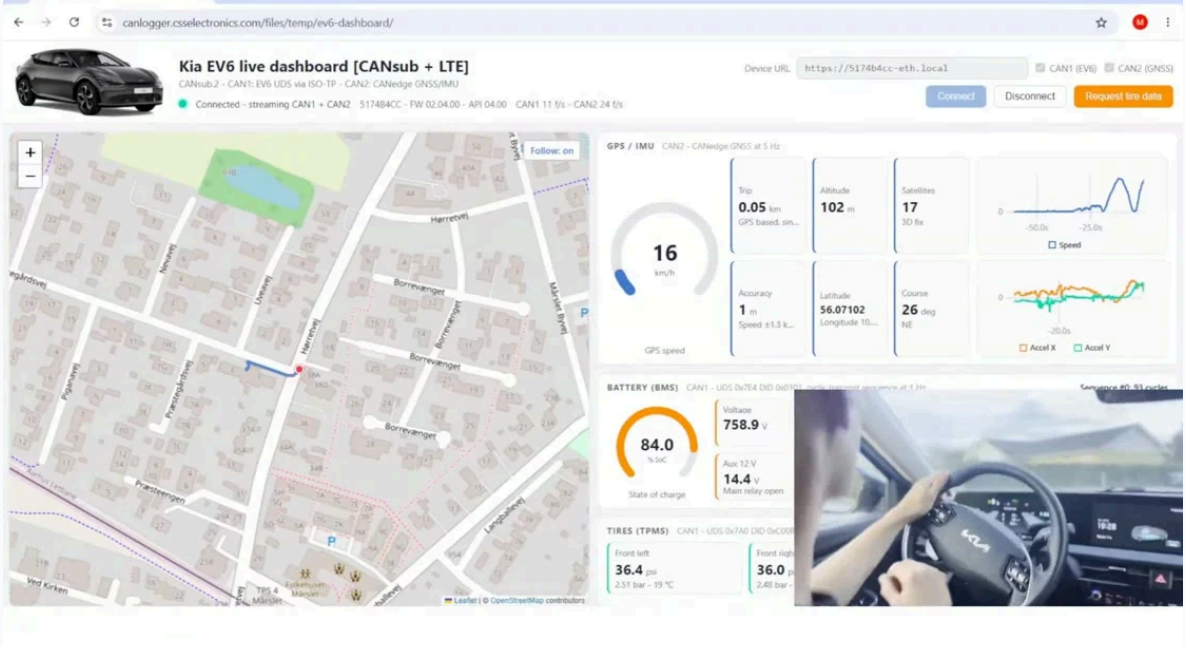


CAN + Ethernet: Stream data via USB, LAN, WiFi, LTE

CSS Electronics newsletter - October 2026

New article + video



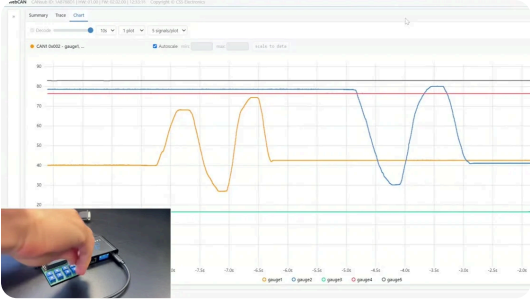
CANsub: Stream CAN data via USB, LAN, WiFi, LTE

What if your CAN bus interface worked from anywhere?

Most of you know classic CAN-USB interfaces: They are great for some use cases - but USB introduces critical limitations in regards to physical reach, scalability, remote deployments and installation.

The [CANsub](#) combines the plug & play simplicity of CAN-USB with the unlimited flexibility of CAN-Ethernet - allowing you to access your CAN bus in real-time via USB, LAN, WiFi and even remotely via LTE.

In this intro, [Martin Falch](#) explains how this makes the CANsub a unique CAN interface - and proves it via 5 practical showcases:



1: CAN-USB bench in 1 min

As a baseline, Martin shows the familiar CAN-USB access, i.e. deploying the CANsub.2 via USB and streaming raw/decoded CAN data in seconds with zero installation.



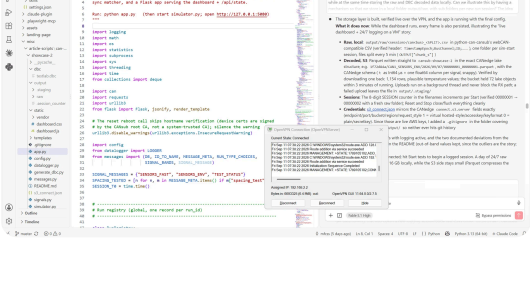
2: 8 x CAN on LAN + python-can + PTP

Next, we step it up by deploying 2 x CANsub.4 on an office switch via Ethernet to stream 8 x CAN - with a [python-can](#) test lab simulation script + dashboard. As part of this, Martin shows how independent device clocks drift apart - until [PTP](#) pulls them into a <10 μ s cross-device sync!



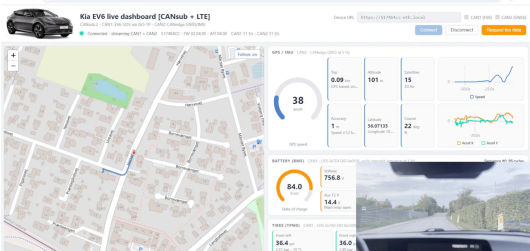
3: Vehicle WiFi access from 50 m

Here, the CANsub.2 is connected to a Kia EV6 and to a [RUT200](#) WiFi router via Ethernet. This allows us to connect wirelessly to the CANsub and perform 5 Hz multi-frame [UDS](#) requests for BMS data via on-device transmit sequences - while visualizing the decoded results 50+ meters away from the car!



4: Lab CAN data from home via VPN

Want to work from home? In this example, Martin uses OpenVPN to access his office network and work with multiple CANsubs from home - both via [webCAN](#) and through Claude Code / python-can.



5: CAN/GPS via LTE from a moving car

Finally, we show the Kia EV6 setup with the RUT200 again - but now use a VPN + LTE to stream RX/TX CAN/GPS data over the internet in real-time, for visualization in a custom-built web app dashboard!

We also cover the technical side - incl. the importance of the CANsub's 1 μ s hardware RX/TX timestamping and 10 μ s edge transmit sequences on high latency networks.

Check it out to expand how you think about CAN interfaces!

[Read article](#)

LTE
WiFi
LAN
USB



stream
CAN data
anywhere

CANsub

Video: CAN-Ethernet interface - USB, LAN, WiFi, LTE

Prefer watching instead of reading?

If so, check out our 30 min YouTube video of the CAN-Ethernet intro. Here, [Martin](#) covers the basics and deep-dives on the 5 showcases. Check it out below:

[Watch video](#)

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Video: Replacing a scan tool function with CANsub + Claude

Can you replace scan tools via CAN interfaces + [Claude Code](#)?

YouTuber lamcarhacker tested this idea on his Renault Laguna using our [CANsub.2](#), [webCAN](#) and Claude.

As per the video, this is clearly not a full scan tool replacement - but it is a fun sneak peek at how a CAN interface + AI can help you reverse engineer diagnostic functions - and speaks to the current trend of 'reverse engineering everything' with AI.

Check it out via the link below!

[Watch video](#)