

CANmod.router - 4 x CAN to 1 x CAN/USB

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The CANmod.router is now in stock

It's finally here!

The CANmod.router lets you receive/transmit CAN data (Classical or FD) from/to 4 isolated secondary CAN buses via 1 primary CAN bus (or USB).

The device can be used with a [CANedge](#) to log 5 x CAN - or as a 4 x CAN FD to USB interface with free software/API tools (more on these use cases below).

Key features include:

PLUG & PLAY: Connect up to 4 x CAN to receive / transmit the data via 1 x CAN (or USB) - no configuration required

COMPACT: 7 x 2 x 5 CM. 75G. 7 LEDs. Supply via DB9/USB. 5-26 V. Mounting flanges. USB for config/FW and streaming

PRO SPECS: 4 x CAN FD. Basic galvanic isolation. Silent mode. Zero data loss. 1 ms precision. Error frame support.

MUX MODE: Transport 4 x CAN via 1 x CAN. Easily demux data. Optionally transport via CAN FD for max throughput

SEAMLESS: Fully supported by CANedge/CANmod software/API tools. As if directly interfacing the 4 x CAN buses

CONFIGURABLE: Configure filters, prescalers, transmit lists, CAN IDs, bit rates and more via JSON config and GUI

Learn more below!

[Learn more](#)



Example: CANedge + CANmod.router = 5 x CAN data logger

The CANedge supports 2 x CAN by default - but what if you need more?

By adding a CANmod.router, you can now log 1 x CAN (CH1) + 4 x CAN (CH2) - or beyond via daisy chaining!

- Power the CANmod.router via the CANedge 2nd port 5V
- Maximize 4 x CAN throughput via CAN FD routing (mux-mode)
- Easily demux routed data via MF4 converter or Python API
- Control transmission on the 4 x CAN via CANedge
- Use daisy chaining to log 1 + 8 x CAN, 1 + 12 x CAN, ...
- Individually configure the 4 x CAN-S interfaces
- Filters, prescalers, transmit lists, silent mode & more

On the product page, we provide detailed explanations on muxed/demuxed data - and how this is seamlessly integrated into your workflow. You'll also find MF4 sample data, showing you both the muxed, demuxed and DBC decoded results.

[Learn more](#)

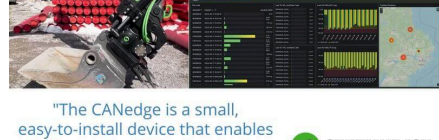


Example: Stream 4 x CAN FD via USB in SavvyCAN/Python

The CANmod.router also lets you interface the 4 x CAN buses via USB - making it possibly the best value/cost CAN-USB real-time streaming interface on the market.

- Receive/transmit data from 4 x CAN FD via USB
- Stream full busloads without frame loss
- Power the CANmod.router via USB for easy installation
- Stream raw / DBC decoded data in free [SavvyCAN GUI](#)
- Develop any integration via free easy-to-use [Python API](#)
- Example: Visualise decoded data in [Grafana-MQTT dashboards](#)

[Learn more](#)



"The CANedge is a small, easy-to-install device that enables efficient and reliable data logging - greatly enhancing system diagnostics and product insights"



Steelwrist case study

Learn how Steelwrist uses the CANedge for construction telematics - incl. Grafana-Athena and trip summary dashboards!

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Comments from CSS

The CANmod.router has been 'an idea' for multiple years in our team - but the 'idea to final product' was done in ~6 months - an impressive feat by our development team!

It's in principle a simple product: It takes four isolated CAN buses and lets you output the combined data (muxed) onto a single CAN bus (or USB). However, the execution is quite elegant - leveraging ISO TP, CAN FD and muxing to enable a highly flexible and effective solution to transporting the CAN data.

A key result is that you can now record 5 x CAN (or beyond) with a single CANedge - rather than e.g. deploying 3 x CANedge units (as many of our users have done so far). This makes the CANedge a viable option for many new multi-CAN use cases - at drastically lower cost vs. alternatives.

In addition, the CANmod.router can be used as a 4 x CAN FD to USB interface - with free software/API tools. The device offers a great value/cost ratio in the CAN-USB space - similar to the role the CANedge plays in the CAN logging space.

We look forward to your deployments and feedback!

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