CANmod.router

4 x CAN to 1 x CAN (or USB) Converter

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

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

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

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

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

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

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 compact module is 100% standalone (no PC required) and offers pro specs, daisy chaining and powerful configuration options.

It can e.g. be used with the CANedge, enabling you to log 5 x CAN buses (or beyond via daisy chaining).

The device can also be used as a powerful 4 x CAN FD to USB interface with free software/API tools.

Tip: Add the DB25-to-4x-DB9 for quick installation.

Interface four CAN buses with just one CAN bus (or USB)

Receive/transmit data from/to 4 x CAN buses via 1 x CAN bus (or USB) - e.g. for use by CAN loggers, ECUs or via USB streaming.

- 4 x CAN (incl. CAN FD) with basic galvanic isolation
- Power via DB9 (5-26 V and DB9 cables) or USB (5V)
- Independently configure each secondary CAN interface
- Optional silent mode and customizable bit-rates
- Advanced message filters and prescalers
- Configure transmit lists - and/or control via primary CAN
- Support for CAN error frame logging
- Quickly connect 4 x CAN via DB25-to-4x-DB9 adapter cable
- Daisy chain multiple modules for 8, 12, 16, ... CAN channels

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

The CANedge supports 2 x CAN. By adding a CANmod.router, you can now log 1 x CAN (CH1) + 4 x CAN (CH2) - or beyond.

- Power the CANmod.router via the CANedge 2nd port 5V
- Maximise 4 x CAN throughput via CAN FD (mux-mode)
- Easily demux routed data via MF4 converter or Python API
- Control transmission on the 4 x CAN via CANedge
- Daisy chain to log 1 + 8 x CAN, 1 + 12 x CAN (or beyond)

Technical specs

GENERAL	
Safety	CE, FCC, IC certified
Functionality	Routes data from 4 isolated CAN buses (incl. FD) to one primary CAN bus / USB
Warranty	1-year warranty
Support	Free, fast & high quality support
Origin	Denmark
Software	100% free & open source
Documentation	Online/PDF documentation

CAN BUS (CAN-P)	
Channels	1 x CAN channel (incl. CAN FD support)
Standard	ISO 11898: Compliant with CAN (between 5K and 1M) and CAN FD (1M, 2M, 4M, 5M)

CAN BUS (CAN-S)	
Channels	4 x CAN channels (incl. CAN FD support)
Isolation	Basic galvanic isolation
Standard	ISO 11898: Compliant with CAN (between 5K and 1M) and CAN FD (1M, 2M, 4M, 5M)
Configuration	Each CAN-S channel can be independently configured
Error Frames	Support for logging CAN error frames

ROUTER MODES	
Mux-Mode	Traffic from/to 4 x CAN-S is muxed and transported through'tunnels' via CAN-P Demuxing done via software/API tools to restore original CAN frames

MECHANICAL/SUPPLY	
Connectors	1 x DB9 (adapter cables available) 1 x DB25 (adapter cables available)
Input supply	+5V to +26V DC via DB9 (pin 1 or 9)
Consumption	<1W
Dimensions	65 x 48 x 24 mm (L x W x H)
Weight	70 G
LEDs	7 external LEDs (PWR, CAN-P, MEM, CAN-S1, CAN-S2, CAN-S3, CAN-S4)
Temperature	-25 degC to +70 degC
IP rating	IP40

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