https://wiki.teltonika-gps.com/view/ECAN02

ECAN02

Contents

ECAN02 is contactless adapter used to read vehicle CAN Bus data. ECAN02 adapter should be used in combination with:

- LV-CAN200
- ALL-CAN300
- FMB140, FMB150, FMC150, FMM150
- FMB640, FMB630, FM6320, FM6300 to read J1939 CAN data.

It reads can-bus data through the isolation of wires without damaging them and forwards signals to the tracking device.

Features

- ECAN02 collects vehicle data from CAN bus without damaging the wires
- Powered from an on-board power source
- Reads the signals through the isolation of CAN bus wires
- Easy to install and operate

YouTube

Technical features

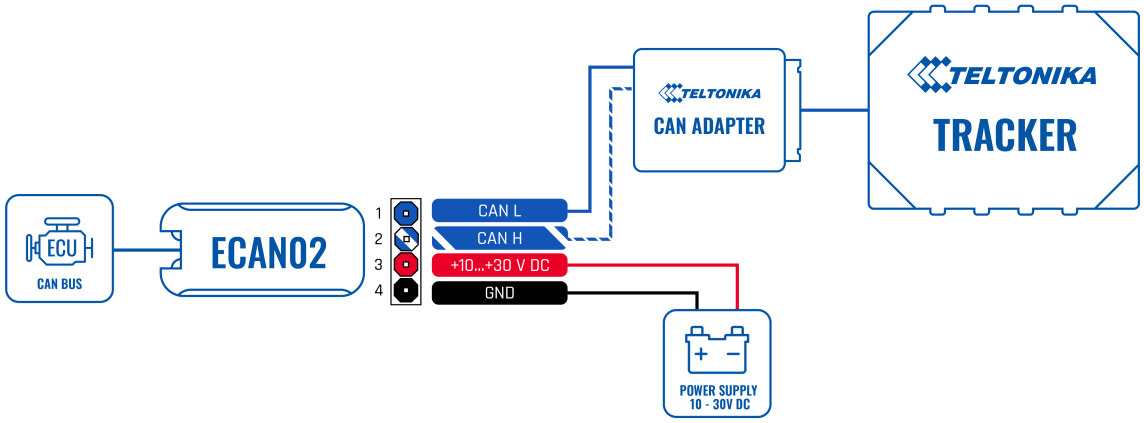
PARAMETER	VALUE				
	Minimum	Typical	Typical	Maximum	Unit
Supply Voltage					
Supply Voltage (Recommended Operating Conditions)	+10	+12	+24	+30	V
Current Consumption					
Working Mode		4.21			mA
Sleep Mode		1.47			mA
Operating Temperature					
Operating Temperature	-40			+85	°C
Protection					
Internal resettable fuse (max 33 V)			750		mA

- Dimensions 39 x 12 x 19 mm
- CAN-BUS speeds up to 1000 kb/s
- Fuse is protecting devices from high current peaks. If the voltage exceeds 33V (i.e. 35V) then protection diode stabilizes device voltage to 33V and the current value will increase accordingly.

Pinout

PIN NUMBER	PIN NAME	DESCRIPTION
1	**CAN L**	**(Blue)** Connect to CAN L input of CAN BUS converter
2	**CAN H**	**(White/Blue)** Connect to CAN H input of CAN BUS converter
3	**VCC**	**(RED)** Power supply (10-30) V DC (+)
4	**GND (-)**	**(Black)** Ground wire (10-30) V DC (-)

Wiring scheme



Setup ECAN02

1. Gently open the ECAN02 cover using a plastic pry tool from both sides.
2. Remove backing material on double-sided adhesive tape.
3. Insert CAN wires. Please make sure that the correct slots are used (CAN High/CAN Low).
4. Close the device.
5. Device is ready-to-use.

Certification & Approvals

- ECAN02 E-Mark
- ECAN02 IP Rating

Memberships

- WEEE

Nomenclature, classification codes

- ECAN02 LITAR
- ECAN02 EAN
- ECAN02 HS
- ECAN02 RoHS
- ECAN02 ECCN

FAQ

- How to install ECAN02 with LV-CAN200/ALL-CAN300 using:
- FMB110
- FMB120

- FMB122
- FMB125
- FMB130
- FMC125
- FMC130
- FMC13A
- FMM125
- FMM130
- FMM13A
- FMB225
- FMB230
- FMC225
- FMC230
- FMM230

Product Change Notifications

ECAN02 Product Change Notifications

Promotional Material

ECAN02 Promotional Material

Downloads

Manuals & Documentation

ECAN02 Datasheet (EN)	(Updated on: 2023-06-21)
ECAN02 flyer	(Updated on: 2023-06-22)
ECAN01 vs ECAN02 flyer	(Updated on: 2023-06-22)

External Links

ECAN02 Teltonika