

XORAYA 1000Base-T1 RELAYTAP



The XORAYA 1000Base-T1 RelayTap connects up to four ECUs and one XORAYA data logger. It can be used to bridge the logger startup time while maintaining a closed 1000-Base-T1 connection between ECUs. When the logger is ready to record data, the mode can be switched and the data is relayed to the logger.

Either by pressing the button or by sending a trigger signal, the device switches between two modes: internal loopback which connects two ECUs each and external which enables communication between all ECUs and the logger.

Another possible application could be to troubleshoot 1000Base-T1 connections in a measurement setup. If an ECU is not receiving data, the logger can quickly be excluded as the source of error by switching the modes.

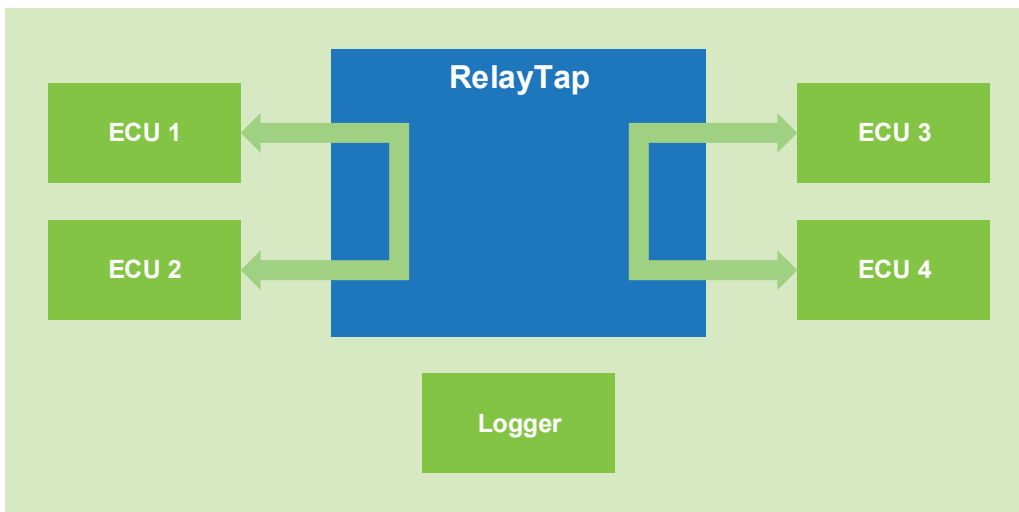
Specifications

- Dimensions (H x W x D)
34 mm x 105 mm x 102 mm
- Temperature range
-40°C to +65°C
- Supply voltage
6 V to 32 V
- Current consumption
max. 22 mA (at 12 V)
- Current consumption (standby)
max. 8 mA (at 12 V)
- Switching time
0.8 ms (+ ca. 20 ms for handshake)
- 3x 10-pin ix connector

Pin assignments

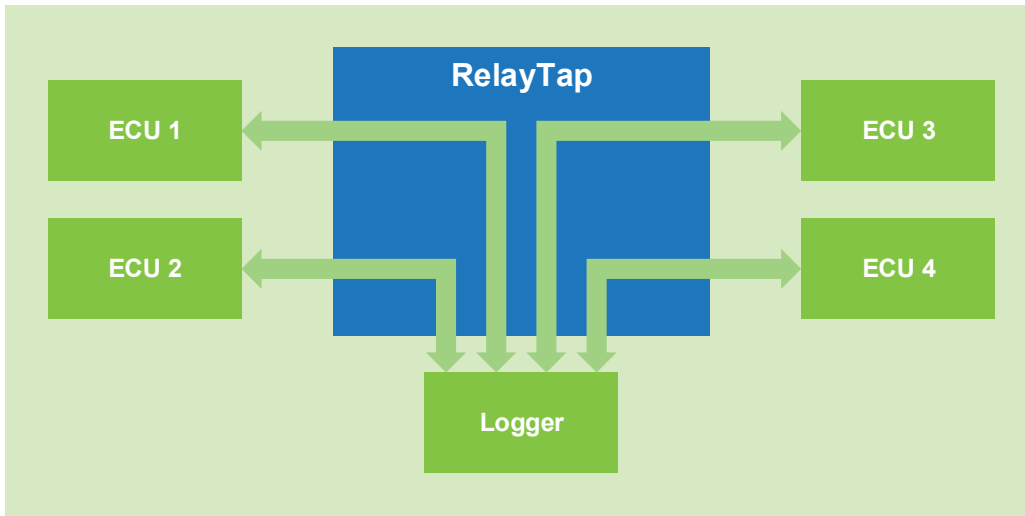
- To Logger

Pin	Signal
1	CH2 P
2	CH2 N
3	GND
4	CH4 P
5	CH4 N
6	CH1 P
7	CH1 N
8	GND
9	CH3 P
10	CH3 N



Mode 1: internal loopback
(button LED: red)

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**Mode 2: external
(button LED: green)**

- To ECUs (left)

Pin	Signal
1	CH2 P
2	CH2 N
3	GND
4	-
5	-
6	CH1 P
7	CH1 N
8	GND
9	-
10	-

- To ECUs (right)

Pin	Signal
1	CH4 P
2	CH4 N
3	GND
4	-
5	-
6	CH3 P
7	CH3 N
8	GND
9	-
10	-

Errors and omissions excepted.



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