



The USB-MUXDIAG-2 (EVO) interface is a product from the EXXOTEST[®] "Communication Networks Expertise" range of hardware and software solutions.

It allows to interface a PC (or pocket PC) with CAN HS/LS, LIN/ISO9141 and Diag On CAN communication networks through a USB bus.

Replacing the widely used USB-MuxdiagII, this interface works with the same drivers, SDK, Muxdll.dll as the previous generation, thus ensuring continuity with existing software.

Available channels:

- 1x canal CAN / High Speed
- 1x canal CAN / High Speed or CAN Low Speed
- 2x canal LIN
- 2x canal ISO9141 K
- 1 canal ISO L
- 2 analog or digital input (dont une réservée à la supervision de la tension d'alimentation)
- 1 canal ISO L (1 of both for power supply supervision input)

CAN Channels

- Standard identifier supported 11-bit (CAN2.0A) and extended 29-bit (CAN2.0B)
- CAN HS conforms to standard ISO 11898
- Baud rate configurable by software up to 1Mb/s
- CAN LS conforme au standard ISO 11898
- Baud rate configurable by software up to 125Kbit/s

LIN Channels

- LIN conform to ISO 11987
- Baud rate configurable by software up to LIN 2400, 9600, 19200, 20833
- Pull-up resistor configuration in master mode (1Kohms) or slave mode (30 Kohms) to be applied through software.

et ISO9141 K/L

- ISO9141 K configurable by software up to 250 Kbit/s (Download mode)
- Pull-up resistor 500 ohms (« simu » mode / « tester » mode) switchable by software

APIs – Software libraries

For the development of your own applications, the "Muxdll.dll" programming interface, its documentation, examples, and drivers are available free of charge on the support area of the Exxotest website.

Characteristics

Main Features	
Presentation	PC box with USB connection
Chanel / Standards	. CAN High Speed : ISO11898-2:2016 . CAN Low Speed : ISO11898-3:2016 . LIN : ISO17987-4 (12V LIN)
Inputs / Outputs	1 Analog / Digital 0-36Vdc 1 Analog / Digital power supply digital Input
Dating accuracy	1µsec
Connectors	1x D-SUB HD 26 pins (male) 1x USB type C
Interface PC	USB2.0 High Speed
Supported OS supportés (USB driver)	Windows [®] 7 and above, 32 and 64bits Linux (coming soon)
Size	200 x 170 x 50 mm
Alimentations	Externe 6-36Vdc / 1A Or USB PC
Storage temperature	-40 à +85°C
Operating temperature	0 à +70°C
CE conformity	ROHS2 EMC

Signal distribution D-SUB HD 26 pins	
Signal	Pin
0	1
0	2
0	3
GND	4
GND	5
CAN LS 1 Low	6
CAN LS 1High	7
CAN HS 1 Low	8
CAN HS 1 High	9
0	10
0	11
K line / LIN 1	12
LIN / K line 4	13
0	14
0	15
VBAT	16
CAN HS 2 High	17
CAN HS 2 Low	18
0	19
L line 1	20
0	21
0	22
0	23
APC	24
LIN / K line 3	25
K line / LIN 2	26

Content

The USB-MUXDIAG-2 (EVO) interface is delivered in a case accompanied by:

- USB Type C Cable
- CE certificate
- Quick start guide

Warranty :

2 years out of bundless and accessories

Order reference : USB-MUXDIAG-2 (EVO)

Références complémentaires et accessoires

Applications:

MUXTRACE Expert: Buses analyser and emulator for protocols: CAN HS/LS/SW, LIN/ISO9141, VAN & Diag On CAN

Harness OBD :

AMUX-AEE2010 : PSA Archi2010 vehicle OBD connector harness.

