



The **VCI-MUXDIAG-3** is a compact multi-protocol communication interface particularly suited to the analysis and diagnosis of the electronic architectures equipping the most recent vehicles and mobile machines.

VCI-MUXDIAG-3是一种紧凑的多协议通信接口，特别适用于配备在最新车辆和移动机器用于电子架构的分析和诊断。

It allows to interface, via a USB2.0 high speed link, a PC-type computer to communicating systems and networks of systems.

它允许通过USB2.0高速接口和PC型计算机连接到通信系统和系统网络。

This 3rd generation of the "Exxotest® Muxdiag" interface now offers CAN FD, Ethernet (DoIP) and BroadR-Reach® channels.

第三代“Exxotest® Muxdiag”接口现在提供CAN FD，以太网（DoIP）和BroadR-Reach®通道。

Channels available simultaneously:

可同时使用的通道:

- 1x canal CAN FD / High Speed
- 1x CAN FD 通道/高速
- 1x canal CAN FD / High Speed or CAN Low Speed
- 1x CAN FD 通道/高速 或者低速CAN通道
- 1x canal Ethernet (DoIP) or BroadR-Reach®
- 1x以太网（DoIP）通道或BroadR-Reach®
- 1x canal LIN + 1x canal LIN or ISO9141 K/L
- 1xLIN通道 + 1xLIN通道或ISO9141 K / L.

CAN channels

CAN通道

- Standard 11-bit (CAN2.0A) and extended 29-bit (CAN2.0B) identifier support
- 支持标准11位（CAN2.0A）和扩展29位（CAN2.0B）标识符
- CAN FD / HS in accordance with ISO 11898 standard
- 符合ISO 11898标准的CAN FD / HS
- Baudrate up to 5Mbit/s, setup by software
- 通过软件设置高达5Mbit / s的波特率
- Termination resistance act./deact. setup by software
- 由软件设置终止阻力行为/执行动作。
- CAN LS in accordance with ISO 11898 standard
- 符合ISO 11898标准CAN LS
- Baudrate up to 125 kbit/s, setup by software
- 通过软件设置高达125 kbit / s的波特率
- CAN LS pull resistor setup by software
- CAN LS通过软件设置电阻器

LIN and ISO9141 K/L channels

LIN和ISO9141 K / L通道

- LIN in accordance with ISO 11987
- 符合ISO 11987LIN通道
- Baudrate up to 20833bit/s, setup by software
- 通过软件设置高达20833bit/s的波特率
- LIN Master/Slave pull resistor setup by software
- 通过软件设置LIN主/从电阻
- Baudrate up to 250kbit/s, setup by software
- 通过软件设置高达250kbit / s的波特率

- Simu./Tester modes pull resistor setup by software
- 通过软件设置Simu./Tester模式电阻设置

Ethernet and Automotive Ethernet channels

以太网和汽车以太网通道

- Software-driven DoIP activation line
- 软件驱动的DoIP激活线
- Optional adaptation interface for acquiring data exchanged between 2 BroadR-Reach® entities
- 可选的适配接口，用于获取2个BroadR-Reach®实体之间交换的数据

APIs – Software libraries

APIs-软件库

For the development of your own applications (except DoIP), the programming interface "EXXOTEST_AGHAF", its documentation, examples and drivers are freely available on the support area of the Exxotest website.

为了开发您自己的应用程序（DoIP除外），可以在Exxotest网站的支持区域免费获得编程接口“EXXOTEST_AGHAF”，及其文档，示例和驱动程序。

The development of Diagnostic over IP (ISO13400) applications requires the purchase of a software license for the use of the "EXXOTEST_DOIP" programming interface.

IP诊断（ISO13400）应用程序的开发需要购买软件许可证才能使用“EXXOTEST_DOIP”编程接口。

Features

Main features	
Présentation	PC box with USB link
Channels / Standards	. CAN FD / High Speed : ISO11898-2:2016 . CAN Low Speed : ISO11898-3:2016 . LIN : ISO17987-4 (12V LIN) . ETHERNET : 100BASE-TX – 10BASE-T . BroadR-Reach® : 100BASE-T1
Entrées / sorties	1 analog. / digital 0-36Vdc input 1 DoIP activation line output
Timestamping accuracy	1µsec
Connectors	1x male D-SUB HD 26 pins 1x USB type C
PC interface	USB2.0 High Speed
Operating Systems (USB drivers)	Windows® 7 and higher, 32 et 64bits Linux (coming soon)
Size	200 x 170 x 50 mm
Power supply	External 8-36Vdc / 1A USB 4,5 – 5,5vdc / 500mA
Storage temperature	-20 to +70°C
Working temperature	-20 to +70°C
CE conformity	ROHS2 CEM
Insulation	Optional

Signals distribution D-SUB HD 26 voies	
Signal	Pin
Ethernet Tx(+)	1
BroadReach N	2
BroadReach P	3
Masse châssis	4
Masse signal	5
CAN LS 1 Low	6
CAN LS 1 High	7
CAN FD HS 1 Low	8
CAN FD HS 1 High	9
Ethernet Rx(+)	10
Ethernet Tx(-)	11
ISO9141 K line	12
n.c.	13
n.c.	14
n.c.	15
VBAT	16
CAN FD HS 2 High	17
CAN FD HS 2 Low	18
Ethernet Rx(-)	19
ISO9141 L line	20
n.c.	21
Synchro	22
DoIP activation signal	23
+APC	24
LIN 2	25
LIN 1	26

Content

The VCI-MUXDIAG-3 interface is delivered in a case accompanied by:

- USB type C cable
- CE certificate
- Quick start guide

Available accessories

Range of wiring harnesses to vehicle diagnostic socket, BroadR-Reach® interfacing bundles, test boxes, "EXXOTEST_DOIP" API, etc.

Warranty

2 years out of bundles and accessories

Order reference

VCI-MUXDIAG-3

