MEDIAGATEWAY

The development tool for testing and analyzing on-board vehicle networks

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DESCRIPTION

MediaGateway from Technica Engineering is a development tool for testing and analysing on-board vehicle networks.

It allows users to disconnect and loop through up to 12 100BASE-T1-based devices on the physical layer and to establish virtual point-to-point connections, thus making it possible to filter and control data streams (routing, mirroring, forwarding).

MediaGateway is the most widely used development and testing tool for on-board vehicle networks using 100BASE-T1. It's in-built automotive switches and 12 x 100BASE-T1 ports enable both capture of traffic between devices while mantaining the normal comunication, as well as interaction with such devices via your test set-up. It supports single and double tagging of VLANs, Mirroring, Forwarding and more. An additional and optional CAN-Ethernet bi-directional conversion is available, as well as FlexRay logging via Ethernet.

The SFP slot supports commercial-grade SFP modules (e.g. optical or RJ-45) as well as our 100BASE-T1 SFP Module in order to get a 13th Automotive Ethernet Port or our 1000BASE-T1 SFP Module – this makes the **MediaGateway** ready for Automotive Gigabit Ethernet!

FEATURES

- ✔ 12 Broadcom 100BASE-T1 ports (100 MBit/s full duplex on a single unshielded twisted pair)
- ✔ 3 Gigabit Ethernet ports
- ✔ 1 SFP Gigabit Ethernet port
- ✔ Automotive Tyco MQS connectors for 100BASE-T1 and power supply
- ✔ Web server for easy configuration: Master/Slave, HalfOut/FullOut, Port Forwarding, Port Mirroring, VLAN Tagging
- ✔ WakeUp function by CAN Bus or Wakeline
- ✔ Power output for attached devices: VBAT max. 1 Ampere in total
- ✔ 19 status LEDs
- ✔ Possibility to reset to default settings by pushbutton
- ✔ Robust stainless steel case
- ✔ Power requirement: 8 to 16 V DC, power consumption: 8 Watt
- ✔ Size: 195 x 143 x 33 mm
- ✔ 802.1AS Bridge function

12x 100BASE-T1	5x CAN (HS)	3x STANDARD GIGABIT ETHERNET (RJ-45)	1x FLEXRAY	1x GIGABIT ETHERNET (SFP)