

# MEDIAGATEWAY

## APPLICATION

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



## 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 maintaining the normal communication, 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)

