

BRIDGE4NET

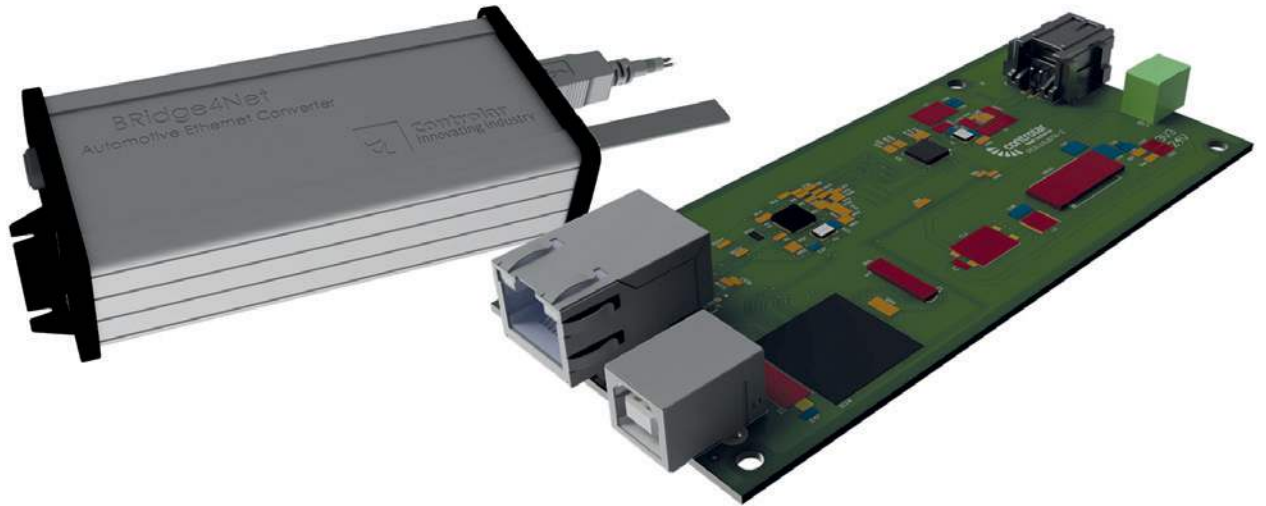
Ethernet Test System for Highly Efficient Conversion of BroadR-Reach™ Protocol

For all BroadR-Reach equipped systems that require conversion to Ethernet

Customized software for easy debug and maintenance

Link error diagnosis

Easy-to-install and configure



PRODUCT DESCRIPTION

BRIDGE4Net is a unique device in the market developed for converting 100BASE-TX (conventional Ethernet) to 100BASE-T1 (BroadR-Reach™ Ethernet).

Featuring link error diagnosis, it is the ideal option for all test systems applications in the automotive industry and/or ATE's suppliers that require conversion to Ethernet.

KEY FEATURES

- Proprietary design and compact housing
- Customized software for debug and maintenance
- Mounting holes and flexible power input
- RJ45 connector for Ethernet and Molex connector for BroadR-Reach™
- API for LabView™ / Teststand™

PRODUCT CONFIGURATION

The stand-alone version is supplied inside a small box to be used in laboratory or bench.

The bare version is supplied as a barebone PCB to be embedded in a JIG or test equipment.

Both versions can be redesigned to meet specific space constraints or any other specific need.

- 1/** Simple to integrate and connect
- 2/** Convenient mounting holes
- 3/** Wide range power supply
- 4/** Easy installation, debug and maintenance

MAIN APPLICATIONS

The careful design of the BRIDGE4Net converter makes it best suited for integration of high-end test systems for the automotive industry, such as radars, infotainment, and rear/front camera test systems. Examples include applications in climatic chambers; run-in, burn-in and any multi-DUT ATE, In-Circuit Testing, Functional Testing and Flash Programming.

TECH SPECS

API

Compatible with Labview™/Teststand™

Communication protocol

/ Ethernet PHY transceivers: MDIO

/ PC: USB

PHYs

/ Texas Instruments

/ 100BASE-TX: DP83822

/ 100BASE-T1: DP83TC811

Power supply

/ DC barrel connector

/ Cable type/input: standard DC 2.5mm

/ Voltage: 9-36 VDC

/ Frequency: DC

/ Current: 1A

Inputs/Output

/ Ethernet connector: RJ45

/ BroadR-Reach™ connector: Automotive Molex

Human-Machine Interface



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