



The automotive sector is undergoing a paradigm shift from (CAN)-based systems to advance Automotive Ethernet networks like **BroadR-Reach**.

Dissecto HydraLink, a high-performance USB to Automotive Ethernet Interface, is engineered to support this transition seamlessly. With compatibility for **100BASE-T1 and 1000BASE-T1** standards, HydraLink provides a cost-effective solution for reliable diagnostics, testing, and efficient prototyping. Engineered to eliminate the need for additional media converters, HydraLink **simplifies connectivity** while meeting the demands of modern Ethernet protocols in automotive.



Features:

- **USB3 Gen 1 to Gigabit Automotive Ethernet (100/1000):** Provides high-speed data transmission, enabling real-time diagnostics, simulation applications, and fast data exchanges with minimal latency.
- **Supports 100BASE-T1/1000BASE-T1 over single twisted pair:** Fully compatible with modern Ethernet protocols in automotive applications, offering seamless integration into automotive systems with both master and slave modes.
- **Driver Support for Windows, Linux & Mac:** Offers robust compatibility with major operating systems, simplifying integration and ensuring ease of use across platforms.
- **Commercial Temperature Range:** Designed to operate reliably in a variety of conditions, maintaining performance from 0°C to 70°C, making it suitable for diverse environments.
- **2.54 mm Pin Header:** Simplifies connection to any Electronic Control Unit (ECU), making HydraLink an ideal tool for prototyping, testing, and custom automotive projects.
- **Integrated Media Converter:** Directly connects your PC to Automotive Ethernet, eliminating the need for additional conversion equipment and streamlining your setup.
- **Powered via USB:** Operates directly through a USB connection, removing the need for an external power supply and reducing hardware complexity.

Benefits:



Seamless ECU Connection

Direct PC-to-ECU connection for diagnostics / testing



No Extra Hardware

Interface and Media Converter in one small device



Reliable Vehicle Testing

Enables pen-testing and traffic interception (MITM)



Fast, Versatile Integration

Windows, Linux & Mac support for ultimate flexibility

Technical Specifications

- Ethernet Speed: 100 / 1000 Mbit/s Full Duplex
- USB Interface: 3.0 Gen 1
- Supply Voltage: 5V via USB Interface
- Extended Functionality: Master and Slave Support
- Operating Temperature Range: 0°C to +70°C
- Dimensions (LxWxH): 74 x 41 x 16 mm,
- Weight: 55g
- GTIN: 04170000209492

Security Testing, simplified.

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