Testing Services:

Our Automotive Ethernet testing offers physical layer testing of PHYs and ECUs for OPEN Alliance BroadR-Reach and IEEE 100BASE-T1. The OPEN Alliance has endorsed the UNH-IOL as the first test laboratory for conformance testing of BroadR-Reach and 100BASE-T1 Ethernet.

Tests Covering:

- **Physical Medium Attachment (PMA):**
  Designed to determine if a product conforms to electrical specifications of the transmitter and receiver defined in the OPEN or IEEE standard.
- **PCS & PHY Control:**
  Help implementers evaluate the functionality of their products Physical Coding Sublayer (PCS) and PHY controls. Includes detailed testing of PCS Transmit and PCS Receive, state diagrams, encoding/decoding, and scrambling/descrambling.
- **Interoperability:**
  Help implementers identify problems that their devices may have in establishing link and exchanging packets with each other.

The adoption of Ethernet standards in automobiles will allow car manufacturers to reduce costs and increase bandwidth through standardized components and fewer cables.

Learn More Today!

www.iol.unh.edu