Key Benefits of Membership

- Year-round access to conformance and interoperability testing helps reduce time to market
- Acts as an extension of in-house test labs providing debugging and technical expertise
- Industry recognized test reports
- Independent, vendor-neutral testing using a cost-effective student staffing model
- Identification of problems before products reach the market results in: lower support costs, QA savings, and increased customer confidence
- Access to one of the industry's largest test beds for interoperability testing
- Cutting-edge testing equipment from our industry partners and UNH-IOL customized software and hardware
- Raise your visibility as an industry leader
- Consultative testing model helps quickly solve development issues and provides thorough, detailed feedback
- Industry-wide interoperability group test events
- Engineers not required to be present during testing, saving travel time and money

Test solutions for:
- Backplane Switches and Routers
- NICs
- PHY Development Boards
- Backplane Interconnects

Backplane Ethernet Tests Covering:

- **Electrical and Optical Physical Layer Measurements**
  State of the art test equipment and procedures covering Transmitter and Receiver characterization of:
  - KX, KX4, KR, and KR-4
  - Stressed Receiver
  - Interference Tolerance

- **Bit Level PHY analysis and Verification**
  Custom test tools for single bit analysis of:
  - Flow Control
  - MAC
  - Reconciliation Sublayer
  - Clause 48 PCS (8b/10b)
  - Clause 49 PCS (64b/66b)
  - 10GBASE-KR Startup and Training
  - 10GBASE-KR Autonegotiation

- **Interoperability**
  Interoperability Testing for KR and KR4 devices including:
  - BER estimation
  - Link configuration

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