Test solutions for:

- Network Interface Cards
- Switches for Carrier and Enterprise Class Networks
- Switches and Repeaters for SOHO, Home, and Business
- Ethernet Chipsets
- Gaming Consoles, Cable/DSL Modems

Gigabit Ethernet Tests Covering:

- **Electrical and Optical Physical Layer Measurements**
  State of the art test equipment and procedures covering Transmitter and Receiver characterization of:
  - 1000BASE-T, 1000BASE-T EEE, 1000BASE-CX
  - 1000BASE-X

- **Bit Level PHY analysis and Verification**
  Custom test tools for single bit analysis of:
  - Flow Control
  - MAC
  - Reconciliation Sublayer
  - Clause 36 PCS (8b/10b)
  - Clause 37 Fiber Auto-Negotiation
  - Clause 28 Copper Auto-Negotiation including:
    - Next Page, Auto-Crossover, and Management testing

- **Interoperability**
  Interoperability Testing for switches, NICs, cables, modules, and more.
  - BER estimation
  - Link configuration
  - Modules: SFP, GBIC

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

Contact: Alex Seiger, Gigabit Ethernet Consortium Manager
+1-603-862-0203
aseiger@iol.unh.edu