



## Test Solutions Include these Devices and More:

- ✚ 10 Gigabit Switches and Routers
- ✚ 10 Gigabit NICs
- ✚ 10 Gigabit Transceivers
- ✚ Copper CX4 Cable
- ✚ SFP+ Direct Attach Copper
- ✚ 10GBASE-T



## Industry-Supported Organization

The UNH-IOL has been involved in the Ethernet Industry since 1988 and 10 Gigabit Ethernet Technology since 2002. The UNH-IOL 10 Gigabit Ethernet Consortium is an industry-supported organization that works in conjunction with its member companies to provide a neutral test environment and industry accepted test methodologies for the purpose of promoting and fostering conformance and interoperability of 10 Gigabit Ethernet devices.

## 10 Gigabit Ethernet Testing Services

- ✓ Full electrical characterization for all XAUI, CX4, XFI, SFP+, and 10GBASE-T.
- ✓ Optical characterization for SR/LR/ER
- ✓ Comprehensive PCS coding verification for 8B/10B and 64B/66B devices
- ✓ Upper layer protocol testing for RS, MAC, Flow Control, and OAM layers
- ✓ Optical interoperability testing over different multimode and single mode cable plants
- ✓ Copper interoperability testing over various backplanes and cables for XAUI and CX4
- ✓ Providing test vectors for vendors to verify early implementations and simulations, as well as, training material for 10 Gigabit Ethernet technologies

## 10 Gigabit Pluggable Module Testing

XAUI based Modules (XENPAK, XPAK, X2)

- ✓ SR, LR, and ER optical port types
- ✓ CX4 port types

Serial modules (XFP, SFP+)

- ✓ SR, LR, and ER optical port types

## Key Benefits of Membership

- ✓ The 10 Gigabit Ethernet Consortium can be thought of as an extension of your in-house test lab.
- ✓ Can help decrease the time to market for 10 Gb/s Ethernet devices by identifying potential interoperability issues early in the development process.
- ✓ The 10 Gigabit Ethernet Consortium offers a large number of conformance test suites in a flexible and friendly testing environment.
- ✓ All 10 Gigabit Ethernet Consortium members are encouraged to take advantage of our testing services as many times as there are slots available for testing.
- ✓ Members will receive an industry recognized test report for all testing completed with us.
- ✓ Members have full access to one of the most well-equipped and recognized networking labs in the world.
- ✓ Assistance in duplicating and solving issues seen in the field.
- ✓ Raise your visibility as an industry leader in 10 Gigabit Ethernet and related products.