



Industry's Ethernet Testing Lab

We offer the most comprehensive Ethernet testing in the industry, covering both conformance against standards and interoperability testing for all Ethernet speeds from 10 Mb/s to 100 Gb/s. The testing coverage includes specific Ethernet technologies such as Power over Ethernet, Backplane Ethernet, Energy Efficient Ethernet, and Automotive Ethernet. We also host group testing and plugfest events throughout the year.



Testing Services:

- 10BASE-T
- 10 Gigabit (including 2.5/5GBASE-T)
- 40/100 Gigabit (including 25G)
- Automotive
- Backplane
- Cable/Channel Testing
- Fast
- Gigabit
- Power over Ethernet

Testing Tools

We have developed a series of custom testing platforms to perform the most comprehensive Ethernet testing in the industry. These tools allow for testing with more detail than most commercially available tools. They fall into five main categories:

- MAC and Flow Control Layer testing from 10Mb/s to 40Gb/s
- PCS Layer (Clause 24 100Mb/s, Clause 36 for Gigabit 1000BASE-X, Clauses 48 & 49 for 10 Gigabit and faster, and 40/100GBASE-R)
- Physical Layer Electrical and Optical Measurements for PMD/PMA
- Auto-Negotiation (Clause 28 for Twisted Pair Copper PHYs, Clause 37 for Gigabit Ethernet Fiber, and Clause 73 for Backplane Ethernet)
- Custom software and hardware for analysis of low layer physical signaling

Key Benefits

- Increased confidence in your product.
- Save money by reducing time to market.
- Use industry recognized test reports for sales and certifications.
- Access to custom test equipment and software saving you time and money.
- Ability to shape our roadmap to better serve industry needs.
- Ability to test multiple standards against globally recognized products all in one lab.
- Acts as an extension of in-house test labs providing debugging and technical expertise.
- Pay Per Test options available.
- Test tools available through annual licenses.

Learn More Today!

www.iol.unh.edu

Contact:

Kae Dube

kdube@iol.unh.edu

+1-603-862-0203