University of New Hampshire
InterOperability Laboratory

About IOL INTERACT^{TM}

IOL INTERACT™ software tools expedite and automate the testing of NVMe SSDs. These tools are used by UNH-IOL to test products for inclusion on the NVMe Integrator's List. Active Members of the UNH-IOL NVMe consortium are entitled to use the IOL INTERACT™ for in-house testing to ensure that their products will meet the Integrator's list requirements when submitted to the UNH-IOL for testing.

There are two versions INTERACT™. The PC edition works with a standard PC and a modified NVMe driver. The Teledyne-LeCroy edition works with a Teledyne-LeCroy Summit PCIe Exerciser enabling deeper debug and diagnostic capabilty.

IOL INTERACT^{TM} PC EDITION Software

The IOL INTERACT™ PC EDITION Software is built on top of the open source tNVMe project. The tool is designed to make device selection and test selection easy and speed up the performance of NVMe conformance testing. The tool is fast and easy to use, but does not provide the bus trace data typically available from a bus analyzer.

IOL INTERACT^{TM} Teledyne-LeCroy EDITION Software

The IOL INTERACT™ Teledyne-LeCroy EDITION Software runs as a stand-alone (automated) application for executing the tests described in the UNH-IOL NVMe Conformance Test Suite. This tool was created by UNH-IOL to perform the tests that are required for listing a product on the NVMe Integrators List. The tool works in conjunction with the Teledyne-LeCroy Summit PCIe Exerciser and Analyzer system. It uses the Teledyne-LeCroy Summit PCIe Analyzer to capture and save all trace data and logs for later inspection. The IOL INTERACT™ Teledyne-LeCroy EDITION is able to perform some lower level tests that are not possible to perform the IOL INTERACT™ PC EDITION.

Bringing Implementations to Market Faster

The IOL INTERACT™ tools are the same tools used for testing at the UNH-IOL. Internally testing allows your company to resolve issues in advance of sending your products in for official testing. This will help implementations obtain reports faster and expedite getting products listed on the NVMe Integrators List.

Contact: Kerry Munson
+1-603-862-3749
Kerry.Munson@iol.unh.edu