



## Teledyne Lecroy and IP-Maker to showcase NVM Express functionalities at Flash Memory Summit

FPGA platform and analyzer for a full NVM Express development environment

**August 20, 2012, Aix en Provence, France** – IP-Maker and Teledyne Lecroy will showcase a NVM Express (NVMe) demonstration platform at the most important conference & tradeshow for the solid-state storage market place, Flash Memory Summit, Santa Clara, August 22&23. It is based on the integration of the IP-Maker NVM Express IP core in a FPGA, and demonstrated with the Teledyne Lecroy Summit T3-8 analyzer showing its NVMe capabilities.

“We are pleased to work with IP-Maker, an innovative storage IP company, to help demonstrate its new NVM Express IP core.” said John Wiedemeier, Product Marketing Manager, Teledyne Lecroy. “The Teledyne LeCroy Summit T3-8 analyzer decodes and displays the NVM Express protocol traffic between the host processor and IP-Maker’s NVMe IP core running on a FPGA add-in card verifying that it adheres to the NVM Express specification.”

“IP-Maker achieved a new important step in its challenge to deliver high performance IP cores for storage applications.” Said Mickael Guyard, Product Marketing Director, IP-Maker. “Our customers will benefit from a full development environment based on the Teledyne Lecroy Analyzer and on our IP core running on a FPGA platform.”

### Teledyne Lecroy Summit T3-8 Protocol Analyzer

The Summit T3-8 Protocol Analyzer captures, decodes and displays PCIe 3.0 protocol traffic for x1, x2, x4, x8 lane widths. Ideal for monitoring and analyzing protocol traffic between a PCIe host and device.



### About IP-Maker NVMe IP Core

The IP-Maker NVMe IP core is a powerful data transfer manager, to be integrated in PCIe SSD controllers between the PCI Express controller and the NandFlash controller. It is compliant to the NVM Express 1.0c specification. The IP core is full featured, easy to use into FPGA and SoC designs. It provides AXI interfaces and allows automatic NVMe command execution without CPU use. It comes with advanced features such as weighted round robin queue arbitration, log management and asynchronous event management.

### About IP-Maker

IP-Maker provides products and design services for embedded storage systems. The company develops and licenses intellectual properties. Their standards IPs are optimized for high performance storage applications (e.g. enterprise SSDs). Services include customized IPs and IP integration. IP-Maker is located in Aix en Provence, France. IP-Maker is a NVM Express specification contributor.

**About NVM Express**

NVM Express is an optimized, high performance, scalable host controller interface with a streamlined register interface and command set designed for Enterprise and Client systems that use PCI Express\* SSDs. NVM Express was developed to reduce latency and provide faster performance with support for security and end-to-end data protection. Defined by 80+ NVM Express Work Group members, the specification, published in March, 2011, provides a flexible architecture for Enterprise and Client platforms.

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