

FOR IMMEDIATE RELEASE

Kalray Releases a High-Performance NVMe-oF Target Controller Enabling a New Generation of JBOFs

Industry Unique Solution Will Dramatically Increase SSD Density in JBOFs While Significantly Decreasing Price and Power Consumption

Santa Clara, Calif., – August 8, 2017 – Today at the Flash Memory Summit (FMS), Kalray, a leading provider of processors for a new generation of data center storage servers, announced the KTC40, an NVMe-oF target controller. Available in the fall of 2017, the new solution will meet the data center industry’s growing need for highly efficient NVMe-oF/Ethernet JBOF (Just a Bunch Of Flash) solutions. Kalray is showcasing the new target controller at its booth at the FMS in the Santa Clara Convention Center from August 8-10, booth 836. In a joint demonstration, the controller will also be on display at the AIC booth, 801.

With the massive introduction of SSDs in storage servers, a new generation of high-performance, high-density JBOFs have become a necessity for small and large data centers. As such, Kalray’s KTC40 target controller solution has been designed to enable JBOF optimization for hyperscale, enterprise and hyper-converged data centers. It will completely eliminate the need for costly and power hungry X86s and their associated DDR memory, reducing the cost of JBOFs by 65%, increasing SSD density within the JBOF by 60%, and yielding an overall reduction in power consumption of 65%¹. KTC40 includes a PCIe board based on Kalray’s MPPA2 manycore processor, as well as a complete software stack.

“We are excited to offer this unique solution to our data center customers,” said Eric Baissus, CEO at Kalray. “KTC40 will give our customers a new range of possibilities for optimizing their JBOF. This means increased SSD density, as well as big savings in both the cost of the JBOF

¹ Cost, Density, and Power calculations are based on a comparison with a typical JBOF including 2x Intel CPUs, 1x28 Go DDR4 and 2x40GB NICs. This reduction does not take SSD costs into account, which will vary depending on density.

itself and in terms of significant reductions in power consumption within the JBOF. We are confident that this will be a leading solution in the new era of Ethernet-compatible JBOFs.”

FMS

FMS attendees will have the chance to learn more about Kalray’s storage solutions. Chief Architect, Benoit Ganne, will be presenting “Enabling Next-Generation Storage Fabrics with NVME-oF I/O Processors” on Thursday, August 10 from 3:00 pm until 4:15 pm.

About Kalray

Kalray is a fabless semiconductor company and pioneer in developing a new generation of processors - manycore processors – that offer extreme computing, low power consumption and low latency. Its innovative MPPA® architecture is used today in cutting-edge critical embedded technologies, like storage systems, data center smart network interface cards or autonomous vehicles For more information: www.kalrayinc.com

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