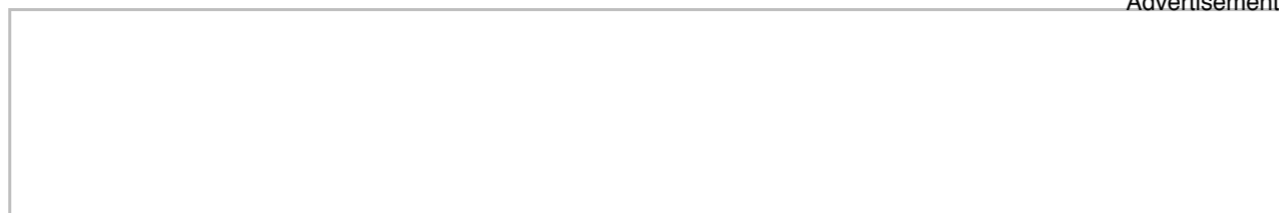


Advertisement



PRODUCTS IN THE NEWS

IDT and CERN openlab Engineer Low-Latency RapidIO Platform to Speed and Improve Analytics at Large Hadron Collider and Data Center

[in Share](#) [f Like](#) [t Tweet](#) [g+ Add](#) [✉ Email](#)

Integrated Device Technology, Inc.

ORIGINAL PRESS RELEASE

IDT and CERN openlab Engineer Low-Latency RapidIO Platform to Speed and Improve Analytics at Large Hadron Collider and Data Center

Press release date: December 16, 2015

Advertisement



The First Deliverable of a 3-Year Arrangement, the Platform is Built Around IDT's Proven High-Performance RapidIO Technology

SAN JOSE, Calif. — Integrated Device Technology, Inc. ® (IDT®) (NASDAQ:IDTI) announced that it has developed with the European Organization for Nuclear Research (CERN) a low-latency platform to speed and improve the management of analytics at the organization's Large Hadron Collider (LHC) and data center. Developed at IDT's Open HPAC Lab and built upon the company's RapidIO® technology, the platform marks the first major milestone in the three-year collaboration IDT and CERN openlab announced in March.

CERN openlab is a unique public-private partnership that accelerates the development of cutting-edge solutions for the worldwide LHC community and wider scientific research. Through CERN openlab, CERN collaborates with leading ICT companies and research institutes.


"The key to achieving better data analytics performance is having superior real-time interconnect with low, deterministic latency," said Alberto Di Meglio, head of CERN openlab. "With its optimized usage of interconnects and processor resources, this first deliverable in our collaboration with IDT will provide us with the baseline computing platform that will scale to enable better usage of our analytics data."

The collaboration was driven by the need to improve overall data acquisition and analysis for the massive volumes of data collected by the experiments on the LHC, the world's largest and most powerful particle accelerator. The LHC produces millions of collisions every second in each detector, generating approximately one petabyte of data per second. This data is vital to CERN's quest to answer fundamental questions about the universe.

RapidIO technology provides a low-latency connection with deterministic transfer between clusters of computer processors, dramatically speeding the movement and processing of data. The new platform is based on x86 processing, a 200 GBaud RapidIO interconnect fabric, IDT's low-power RapidIO network interface card and CERN's root analytics framework. The initial development is based on a small number of nodes that can be scaled to a much larger number of nodes at rack scale.

SISSCO
Material Handling Equipment

info@sisscohoist.com
Overhead Cranes,
Hoists, Monorails,
Jib Cranes, and other
Material Handling
Equipment



CALL TODAY
800-392-0146
www.sisscohoist.com

(<http://news4.thomasnet.com/www/delivery/ck.php?>

oaparams=2__bannerid=268169__zoneid=0__source=5940705__cb=2c1c780093__oadest=http%3A%2F%2Fwww.sisscohoist.com)

MOST POPULAR

Advertisement



(<http://news4.thomasnet.com/www/delivery/ck.php?>

oaparams=2__bannerid=264400__zoneid=0__source=5940705__cb=3763ba968b__oadest=http%3A%2F%2Fwww.photron.com%2Findex.php)

THOUGHT LEADERS

Remediation and Prevention of Moisture in Electronics (</thought-leaders/2014/12/08/remediation-and-prevention-of-moisture-in-electronics>)

THOUGHT LEADERS

When Failure Is Not an Option: How Actuators Prevent Catastrophic Failures in Distribution and Process Lines (</thought-leaders/2014/07/14/when-failure-is-not-an-option-how-actuators-prevent-catastrophic-failures-in-distribution-and-process-lines>)

Advertisement



(<http://news4.thomasnet.com/www/delivery/ck.php?>

oaparams=2__bannerid=264402__zoneid=0__source=5940705__cb=7fe9546c22__oadest=http%3A%2F%2Fwww.photron.com%2Findex.php)

SECTIONS

[Industry Market Trends \(/imt\)](#)
[Machining \(/machining\)](#)
[Fluid & Gas Flow \(/fluid-gas-flow\)](#)
[Tech Trends \(/tech-trends\)](#)
[Procurement \(/procurement\)](#)
[The Light Side \(/the-light-side\)](#)
[Industry Crib Sheet \(/industry-crib-sheet\)](#)
[Product News \(/product-news\)](#)
[Associations News \(/association-news\)](#)
[Products in the News \(/products-in-the-news\)](#)
[Mergers & Acquisitions \(/mergers-and-acquisition\)](#)
[Company News \(/company-news\)](#)
[People in the News \(/people-in-the-news\)](#)
[Literature and Websites \(/literature-and-websites\)](#)
[Advertise \(/advertise\)](#)
[Submit Press Release \(/submit-pr\)](#)
[Contribute \(/contributor\)](#)
[How to Write an Effective News Release \(/write-release\)](#)
[About Us \(/about-us\)](#)
[Licensing \(/licensing\)](#)
[PR Resources \(/pr-resources\)](#)
[Newsletter Archive \(<http://enews.thomasnet.com/ml/thomasnetnews>\)](#)
[Terms of Use \(/terms-of-use\)](#)

PRODUCT NEWS CATEGORIES

[Adhesives & Sealants \(/news/Adhesives-Sealants\)](#)
[Agricultural and Farming Products \(/news/Agricultural-and-Farming-Products\)](#)
[Architectural and Civil Engineering Products \(/news/Architectural-and-Civil-Engineering-Products\)](#)
[Automatic ID \(/news/Automatic-ID\)](#)
[Chemical Processing & Waste Management \(/news/Chemical-Processing-Waste-Management\)](#)
[Cleaning Products & Equipment \(/news/Cleaning-Products-Equipment\)](#)
[Communication Systems & Equipment \(/news/Communication-Systems-Equipment\)](#)
[Computer Hardware & Peripherals \(/news/Computer-Hardware-Peripherals\)](#)
[Construction Equipment & Supplies \(/news/Construction-Equipment-Supplies\)](#)
[Controls & Controllers \(/news/Controls-Controllers\)](#)
[Display & Presentation Equipment \(/news/Display-Presentation-Equipment\)](#)
[Electrical Equipment & Systems \(/news/Electrical-Equipment-Systems\)](#)
[Electronic Components & Devices \(/news/Electronic-Components-Devices\)](#)
[Explosives, Armaments & Weaponry \(/news/Explosives-Armaments-Weaponry\)](#)
[Fasteners & Hardware \(/news/Fasteners-Hardware\)](#)
[Fluid & Gas Flow Equipment \(/news/Fluid-Gas-Flow-Equipment\)](#)
[Food Processing & Preparation \(/news/Food-Processing-Preparation\)](#)
[Green & Clean \(/news/Green-Clean\)](#)
[Health, Medical and Dental Supplies & Equipment \(/news/Health-Medical-and-Dental-Supplies-Equipment\)](#)
[HVAC \(/news/HVAC\)](#)
[Labels, Tags, Signage & Equipment \(/news/Labels-Tags-Signage-Equipment\)](#)
[Laboratory and Research Supplies & Equipment \(/news/Laboratory-and-Research-Supplies-Equipment\)](#)
[Lubricants \(/news/Lubricants\)](#)

[Machinery & Machining Tools \(/news/Machinery-Machining-Tools\)](#)
[Material Handling & Storage \(/news/Material-Handling-Storage\)](#)
[Materials & Material Processing \(/news/Materials-Material-Processing\)](#)
[Mechanical Components & Assemblies \(/news/Mechanical-Components-Assemblies\)](#)
[Mechanical Power Transmission \(/news/Mechanical-Power-Transmission\)](#)
[Mining, Oil Drilling & Refining \(/news/Mining-Oil-Drilling-Refining\)](#)
[Mounting & Attaching Products \(/news/Mounting-Attaching-Products\)](#)
[Non-Industrial Products \(/news/Non-Industrial-Products\)](#)
[Optics & Photonics \(/news/Optics-Photonics\)](#)
[Packaging Equipment \(/news/Packaging-Equipment\)](#)
[Paints & Coatings \(/news/Paints-Coatings\)](#)
[Plant Furnishings & Accessories \(/news/Plant-Furnishings-Accessories\)](#)
[Portable Tools \(/news/Portable-Tools\)](#)
[Printing & Duplicating Equipment \(/news/Printing-Duplicating-Equipment\)](#)
[Retail & Sales Equipment \(/news/Retail-Sales-Equipment\)](#)
[Robotics \(/news/Robotics\)](#)
[Safety & Security Equipment \(/news/Safety-Security-Equipment\)](#)
[Sensors, Monitors & Transducers \(/news/Sensors-Monitors-Transducers\)](#)
[Services \(/news/Services\)](#)
[Software \(/news/Software\)](#)
[Test & Measuring Instruments \(/news/Test-Measuring-Instruments\)](#)
[Textile Industry Products \(/news/Textile-Industry-Products\)](#)
[Thermal & Heating Equipment \(/news/Thermal-Heating-Equipment\)](#)
[Timers & Clocks \(/news/Timers-Clocks\)](#)
[Transportation Industry Products \(/news/Transportation-Industry-Products\)](#)
[Vision Systems \(/news/Vision-Systems\)](#)
[Waste Handling Equipment \(/news/Waste-Handling-Equipment\)](#)
[Welding Equipment & Supplies \(/news/Welding-Equipment-Supplies\)](#)



(<http://www.thomasnet.com/ThomasNet/97220725556>)

[Home \(http://www.thomasnet.com/?WTZO=Footer\)](http://www.thomasnet.com/?WTZO=Footer)
[Supplier Discovery \(http://www.thomasnet.com/suppliers/?WTZO=Footer\)](http://www.thomasnet.com/suppliers/?WTZO=Footer)
[Product Sourcing \(http://productsourcing.thomasnet.com/?WTZO=Footer\)](http://productsourcing.thomasnet.com/?WTZO=Footer)
[Industry News \(http://news.thomasnet.com/\)](http://news.thomasnet.com/)
[CAD Models \(http://cad.thomasnet.com/cadmodels.html?WTZO=Footer\)](http://cad.thomasnet.com/cadmodels.html?WTZO=Footer)
[Diversity & Quality \(http://certifications.thomasnet.com/certifications/?WTZO=Footer\)](http://certifications.thomasnet.com/certifications/?WTZO=Footer)
[About Us \(http://www.thomasnet.com/about-thomasnet.html?WTZO=Footer\)](http://www.thomasnet.com/about-thomasnet.html?WTZO=Footer)

SiteMaps

[Categories \(http://www.thomasnet.com/browse\)](http://www.thomasnet.com/browse)
[Featured Companies \(http://www.thomasnet.com/browsecompanies.html\)](http://www.thomasnet.com/browsecompanies.html)
[Featured Categories \(http://www.thomasnet.com/browsecategories\)](http://www.thomasnet.com/browsecategories)
[Featured Products \(http://productsourcing.thomasnet.com/browseproducts/?WTZO=Footer\)](http://productsourcing.thomasnet.com/browseproducts/?WTZO=Footer)
[Featured Catalogs \(http://www.thomasnet.com/browsecatalogs/?WTZO=Footer\)](http://www.thomasnet.com/browsecatalogs/?WTZO=Footer)

Community

[Log In to MyThomas \(http://www.thomasnet.com/mythomas/login.html?WTZO=Footer&mtmode=LOGIN\)](http://www.thomasnet.com/mythomas/login.html?WTZO=Footer&mtmode=LOGIN)
[Sign Up for MyThomas \(http://www.thomasnet.com/mythomas/signup.html?navsec=footer&WTZO=Footer&mtmode=SIGNUP\)](http://www.thomasnet.com/mythomas/signup.html?navsec=footer&WTZO=Footer&mtmode=SIGNUP)
[Contact ThomasNet \(http://www.thomasnet.com/contactus.html\)](http://www.thomasnet.com/contactus.html)
[Provide Feedback \(http://www.thomasnet.com/feedback.html?goto=%2F\)](http://www.thomasnet.com/feedback.html?goto=%2F)
[Careers \(http://careers.thomasnet.com\)](http://careers.thomasnet.com)

Additional Resources

[Guides \(http://www.thomasnet.com/articles/\)](http://www.thomasnet.com/articles/) | [White Papers \(http://www.thomasnet.com/white-papers/\)](http://www.thomasnet.com/white-papers/)
[Resources \(http://www.thomasnet.com/resources.html\)](http://www.thomasnet.com/resources.html)
[Press Room \(http://www.thomasnet.com/pressroom/?WTZO=Footer\)](http://www.thomasnet.com/pressroom/?WTZO=Footer)
[Testimonials/Reviews \(http://www.thomasnet.com/testimonials/?WTZO=Footer\)](http://www.thomasnet.com/testimonials/?WTZO=Footer)
[FAQs \(http://www.thomasnet.com/faq.html\)](http://www.thomasnet.com/faq.html)
[Tools & Gadgets \(http://www.thomasnet.com/tools-gadgets/\)](http://www.thomasnet.com/tools-gadgets/)
[Job Board \(http://jobs.thomasnet.com\)](http://jobs.thomasnet.com)
[Certification Glossary \(http://certifications.thomasnet.com/certifications/glossary?WTZO=Footer\)](http://certifications.thomasnet.com/certifications/glossary?WTZO=Footer)

Promote Your Business

[Free Profile \(http://promoteyourbusiness.thomasnet.com/free-profile/\)](http://promoteyourbusiness.thomasnet.com/free-profile/)
[Advertising Services \(http://promoteyourbusiness.thomasnet.com/\)](http://promoteyourbusiness.thomasnet.com/)
[Log In to Client Center \(http://clientcenter.thomasnet.com\)](http://clientcenter.thomasnet.com)
[Results Powered Marketing \(http://business.thomasnet.com/rpm\)](http://business.thomasnet.com/rpm)

ThomasNet Is A Registered Trademark Of Thomas Publishing Company.