

IDT Completes 200G/400G Intra- and Inter- Datacenter Applications With Introduction of HXR14x00 and HXR44x00 TIAs

March 13, 2018

SAN JOSE, Calif., March 13, 2018 /PRNewswire/ -- Integrated Device Technology, Inc. ([IDT](#)) (NASDAQ: IDTI) today announced the availability of its new single channel and quad channels, HXR14x00 TIA and HXR44x00 TIA, covering intra- and inter- datacenter applications for 400G optical interconnect modules, respectively.



The IDT® HXR14x00 (SR) and HXR44x00 (LR) deliver a very flat frequency response with 3dB BW up to 20GHz and excellent group delay, suitable for 28-Gbaud PAM4 applications, while consuming less than 180mW/channel. The device provides an input referred noise of 12.5pA/sqrt(Hz) and allow operations with input overload up to 3mApp maintained THD< 3%. Each channel's receive signal strength indicator (RSSI) output can be either read over a dedicated pin, or all can be read over a single pin either as a sum or one channel at a time.

"We are very excited to release to customers the first prototypes of our new 28-Gbaud PAM4 TIA paired with our VCSEL driver, HXT14x00, and DML driver, HXT44x00, respectively, and our CDR HXC44x00. We are in a unique position to provide full LR and SR solutions to our customers with best overall power consumption in the market. Our team is now working hard to release, with same excellent performance, our next generation 56Gbaud TIA by July 2018," said Dr. Bortecene Terlemez, director, Zurich IDT Design Center.

Visit IDT at OFC 2018 in booth 3829 and find more information about the company and its solutions at www.IDT.com.

About IDT

Integrated Device Technology, Inc. develops system-level solutions that optimize its customers' applications. IDT's market-leading products in RF, high performance timing, memory interface, real-time interconnect, optical interconnect, wireless power, and smart sensors are among the company's broad array of complete mixed-signal solutions for the communications, computing, consumer, automotive and industrial segments. Headquartered in San Jose, Calif., IDT has design, manufacturing, sales facilities and distribution partners throughout the world. IDT stock is traded on the NASDAQ Global Select Stock Market® under the symbol "IDTI." Additional information about IDT can be found at www.IDT.com. Follow IDT on [Facebook](#), [LinkedIn](#), [Twitter](#), and [YouTube](#).

© 2018, Integrated Device Technology, Inc. IDT and the IDT logo are trademarks or registered trademarks of Integrated Device Technology, Inc., and its worldwide subsidiaries. All other brands, product names and marks are or may be trademarks or registered trademarks used to identify products or services of their respective owners.

IDT Press Contact:

Krista Pavlakos

Director, Demand Creation &
Communications

Phone: 408.598.5940

E-mail: krista.pavlakos@idt.com

[View original content with multimedia: http://www.prnewswire.com/news-releases/idt-completes-200g400g-intra--and-inter--datacenter-applications-with-introduction-of-hxr14x00-and-hxr44x00-tias-300612971.html](http://www.prnewswire.com/news-releases/idt-completes-200g400g-intra--and-inter--datacenter-applications-with-introduction-of-hxr14x00-and-hxr44x00-tias-300612971.html)

SOURCE Integrated Device Technology, Inc.