

IDT Accelerates the Move to 5G with New 25G Linear Driver

March 12, 2018

Linear Drivers From Long Haul and Metro Applications to 5G Transceivers

SAN JOSE, Calif., March 12, 2018 /PRNewswire/ -- Integrated Device Technology, Inc. ([IDT](#)) (NASDAQ: IDTI) today introduces the IDT® GX72170 25G linear driver for 5G transceiver applications.



The hottest topics in the optical transceiver market are 5G and the role of fiber in 5G deployments. Even though wireless backhaul is a combination of wireless/satellite and fiber, fiber will have a much larger share in 5G wireless backhaul compared to 4G. Backhaul upgrades are occurring globally as legacy copper-based sites are converted to packet-based transport over fiber. The demand for 25G and 50G wireless fronthaul transceivers in the next 5 years is expected to have 45% CAGR or more, according to the latest LightCounting report.

The IDT GX72170 is a broadband, low power consumption, single channel amplifier die, which integrates a linear pre-amplifier and a post-amplifier with AC-coupled 100W differential input and 50W differential output interfaces, capable of driving a linear output voltage of up to 3.0Vppd with 10dB variable gain control range. The driver was designed to provide flat frequency response with 22GHz 3dB-bandwidth with gain flatness of ± 0.5 dB up to 10GHz and less than 2dB peaking from 16GHz to 24GHz, and less than 3% total harmonic distortion. The driver integrates the peak detector and the temperature monitor.

"We are excited to see how our long technology experience in high speed linear drivers for long haul and metro applications extended the linear drivers to 5G applications. The 5G market is fueled by the steady increase in data traffic and our goal is to provide our customers with flexible solutions that can get them to market quickly and within their cost requirements. The GX72170 driver is in production and we are happy to work with customers to have the part integrated into their transceivers," said Marco Cipriani, director of Telecom Products for IDT's Optical Interconnects Division.

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

LightCounting is a market research firm focused on the in-depth study of high speed interconnects for the datacom, telecom and consumer communications markets. More information on LightCounting and its reports is available at www.lightcounting.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](#).

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