

# IDT Introduces 46Gbps SMT Quad Channel Linear Modulator Driver for 400G Long Haul and Metro Applications

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SAN JOSE, Calif., March 9, 2018 /PRNewswire/ -- Integrated Device Technology, Inc. ([IDT](#)) (NASDAQ: IDTI) today introduces 46 Gbaud, SMT, quad channel, linear modulator driver to support 200G and 400G long haul and metro applications. This latest addition to IDT's driver portfolio demonstrates IDT's commitment to providing solutions for optical infrastructure that enable system designers to address the growing demand for higher data rates and greater bandwidth in long haul and metro applications.

IDT Logo (PRNewsFoto/Integrated Device Technology, I)

The IDT® GX74470 46Gbps linear driver, integrates four linear driver channels in a high-performance surface mount package for direct connection to an OIF-compliant  $\text{LiNb}_2\text{O}_3$  modulator. The GX74470 is differentiated by its wide bandwidth, low power dissipation and excellent linearity which supports the implementation of higher order modulation schemes that enable 400G data rates. The SMT package size is 14mm x 9.1mm and integrates high frequency chokes and DC blocks for RF inputs and outputs and individual peak detector for each channel. The GX74470 provides 35GHz of 3 dB bandwidth and 4.5Vpp linear output voltage with the power consumption of 1.3W per channel. It also offers over 10 dB dynamic range of gain from 10 dB to 20 dB and high linearity of approximately 3%, even for relatively large input signals of 700mVppd. These GX74470 features support the development of lower cost and high performance, next generation 200G/400G systems.

"With long haul and metro transport applications requiring ever higher data rates and packaging technologies that address stringent cost requirements, the IDT driver team is happy to expand our product portfolio with our new GX74470 46 Gbaud SMT linear driver, which combines features and performance ideal for developing lower cost and high performance, next generation 200G/400G systems," said Dr. Koichi Murata, director of the Telecom Product Line 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](http://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](http://www.IDT.com). Follow IDT on [Facebook](#), [LinkedIn](#), [Twitter](#), and [YouTube](#).

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IDT Press Contact:

Krista Pavlakos

Director, Demand Creation & Communications

Phone: 408.598.5940

E-mail: [krista.pavlakos@idt.com](mailto:krista.pavlakos@idt.com)

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