

## Description

The GX66471 is a very low-power, high-performance, quad-channel linear driver, designed for 200G/400G optical transmitters for metro applications. The GX66471 is a small form factor (SFF) packaged surface mount device (SMD) with differential inputs and single-ended outputs consisting of 4 x 64Gb/s broadband amplifier channels, each capable of driving a linear output voltage of 4.5V<sub>pp</sub>, suitable for multi-level modulation applications.

## Device Diagram

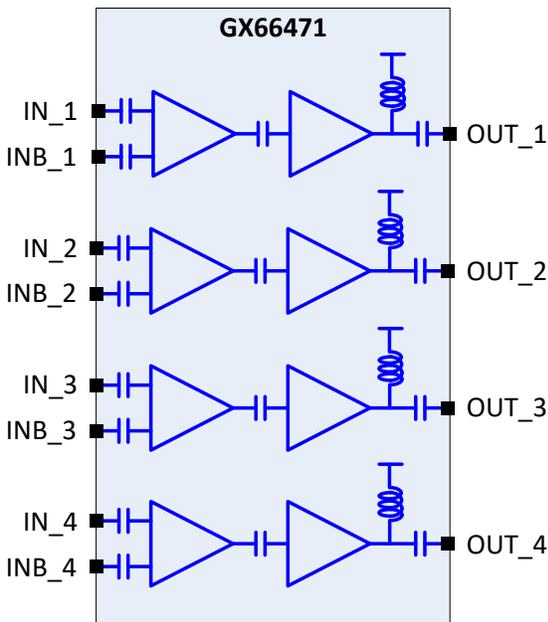


Figure 1: Device diagram

## Applications

- 200Gb/s & 400Gb/s advanced multi-level modulation systems
- High bandwidth CFP2-ACO form factor

## Features

- Data rate up to 64Gb/s per channel for 200G/400G DP-mQAM applications
- > 10dB dynamic range of gain control
- 1.1 W (typ.) /channel @ linear 4.5 V<sub>pp</sub>
- Ultra-low inter-channel cross-talk
- Small form factor SMD
- Internal high-frequency chokes to supplies
- Internally DC-blocked RF inputs and outputs
- Peak detector & reference voltage

## Ordering Information

Part	Temperature Range	Package
GX66471-HIU	-5°C to +85°C	SMD 9.1mm x 14mm x 2.5mm

For price, delivery schedules, and to place orders, please contact IDT: [www.IDT.com/go/sales](http://www.IDT.com/go/sales)



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