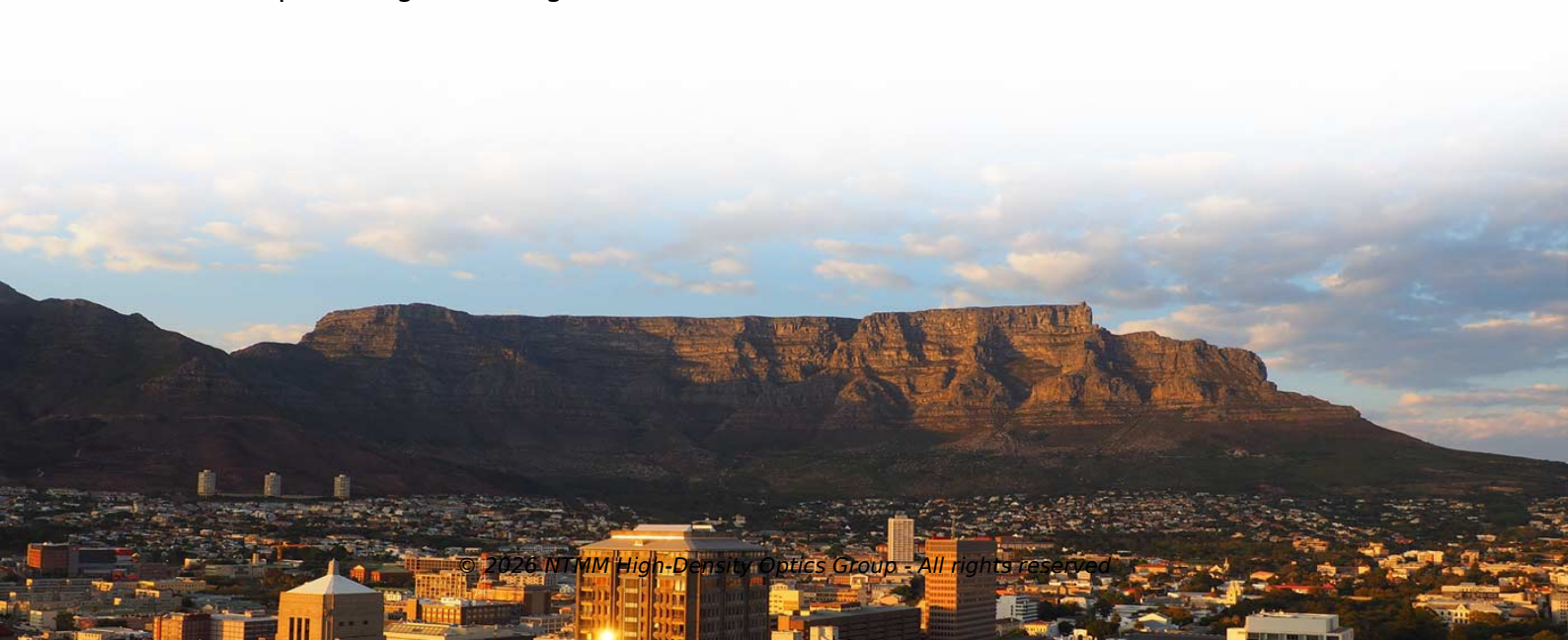


The function of high-speed serial port optical module



Overview

Its primary function is to perform high-speed “serial ↔ parallel” data conversion. SFI, or Serial Framing Interface, is a key serial interface standard used in 10G SFP+ transceivers to connect optical modules with MAC/PHY devices or internal chip logic, such as XGMII. Consumers continually demand better performance in a smaller form factor with reduced. The transceiver offerings cover the gamut of today's high speed protocols. The GTH and GTY transceivers provide the low jitter required for demanding optical interconnects and feature world class auto-adaptive equalization with PCS features required for difficult backplane operation. The table. An optical link module is a compact device that converts electrical signals into light signals and transmits them through fiber optic cables - enabling data transfer at speeds up to 800Gbps over long distances. Also known as an optical transceiver, it sits at the physical layer of the OSI model and. NOTICE OF DISCLAIMER: The information stated in this book is “Preliminary Information” and is not to be used for design purposes. Xilinx is providing this design, code, or information "as is.



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