

Srio optical module



Overview

At its core, an SRIO (Serial RapidIO) optical switch is purpose-built for applications that require deterministic low latency and high bandwidth—such as interconnecting processors in embedded systems or routing signals in real-time control networks. SRIO is one of the most high-speed connections available between two devices on the market today. The basic idea of how this peripheral works is not difficult to understand. Transmit/receive the stream data via Xilinx Serial. The LogiCORE™ RapidIO Logical (I/O) and Transport Layer Interface is optimized for Virtex™ II and Virtex II Pro series FPGAs and is compliant with Logical Input/Output and Common Transport Specification 1. LogiCORE™ IP Serial RapidIO v5. 3 (with extensions for Gen 2 -5G line rate). CoreSRIO is the Serial Rapid IO (SRIO) endpoint solution comprises a Serial Rapid IO Physical Layer, Logical Layer, and Transport Layer. It was approved by the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC).

Article Content

Serial RapidIO Gen2 Endpoint v4.1 Product Guide (PG007)

The Serial RapidIO Gen2 Endpoint Solution (SRIO Gen2 Endpoint) comprises a highly flexible and optimized Serial RapidIO Gen2 Physical Layer and a Serial RapidIO Gen2 Logical (I/O)

CoreSRIO v2.0 User Guide

CoreSRIO is the Serial Rapid IO (SRIO) endpoint solution comprises a Serial Rapid IO Physical Layer, Logical Layer, and Transport Layer. The SRIO endpoint uses AXI4-Stream interfaces for high

SRIO (Serial Rapid I/O) Wiki

It is a new generation of high-speed interconnection technology proposed for embedded system development with high reliability, high performance, and packet switching. It was approved by the

Unlocking High-Speed Networks: Why SRIO Optical Switches Are

What Makes SRIO Optical Switches Different? At its core, an SRIO (Serial RapidIO) optical switch is purpose-built for applications that require deterministic low latency and high

SRIO Optical Matrix Switch (Model: OSW-4 Series)

At its core, it features an advanced SRIO (Serial RapidIO) switching matrix, enabling seamless and synchronized switching for applications requiring protocol-aware signal integrity. This optical switch

ZPS SRIO Optical Communication Transceiver

ZPS SRIO optical communication transceiver. QSFP+ format. Compatible with ZPS enclosure, ZPS computer kit, and ZPS SRIO communication board. Requires

Serial RapidIO Simple Communication Example for the PXIe-6592R

The Serial RapidIO Simple Communication sample project demonstrates how to stream data between one or multiple FPGA targets and/or hosts using the Serial RapidIO high-speed serial

Using Serial Rapid I/O (SRIO)

The goal of this lab is for you to be familiarized with the process of using the Serial Rapid Input Output (SRIO) for C6455. You will learn to use Direct IO to access the SRIO.

Laser Products

RIO Lasers' high performance optical sources and subsystems based on RIO's proprietary planar external cavity laser technology.

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RIO Lasers

Leading global supplier of single frequency narrow linewidth lasers, modules, and subsystems to clean energy, security, oil & gas, test/measurement markets.

Serial RapidIO LogiCORE™ IP

The LogiCORE IP Serial RapidIO Endpoint solution, designed to RapidIO Gen 1.3 specification with Gen 2 -5G line rate support, comprises of a highly flexible and optimized Serial RapidIO Physical Layer

TMS320TCI6486 (Rev

NEX-SRIO Users Manual and Probing Design Guide for the NEX-SRIO Serial RapidIO Logic Analyzer Probe from Nexus Technology, Inc. are documents that describe the mid-bus probe and explain its

Serial RapidIO (SRIO) for KeyStone Devices User's Guide

The RapidIO peripheral used in KeyStone devices is called serial RapidIO (SRIO). This manual describes the general operation of SRIO, how this module is connected to the outside world, the

riO OriON Laser Module

The ORION's packaging was designed with the customer's need in mind: highly integrated, small form factor and self-contained module. This optical solution is positioned for reducing the development

RIO ORION™ Series 1064nm Narrow Linewidth Laser Modu

The ORION™ module employs low noise, digital laser bias current and temperature control circuitry to set and monitor laser performance. External monitoring and control can be accomplished via

SRIO®

SRIO® Serial RapidIO (SRIO) is a high-performance interconnect technology used to connect multiple processors, FPGAs, or DSPs together in a system. Among its primary applications are wireless base

SRIO: The Embedded System Interconnection

SRIO protocol is implemented by the hardware, so it is transparent to the existing operating systems and application software. SRIO supports reading, writing, flow and atomic operation and also message

Can SRIO ports be connected to SFP+ module?

I need to connect SRIO ports of 6678 to SFP+ optical module.. but, according to SFP+ specification, SFP module needs pre-emphasis and equalizer in Host-IC. I'm not sure if tms320c6678 has such

ORION 1550 nm Laser Module

Compact 1550 nm 20 mW high performance laser module with proven narrow linewidth single frequency laser for OEM applications.

RIO ORION Laser Module

RIO's 1550 nm and 1064 nm ORION laser module builds upon the proven performance of the PLANEX product series. Lasers are also available in

RIO ORION 1064 nm Laser Module

The 1064 nm ORION™ laser module builds upon the proven performance of RIO's game-changing PLANEX™ product series. In addition to unrivaled reliability (Telcordia GR-486 qualified technology

Yokogawa AIP578 Style S1 Rio Optical Link Transceiver Module

YOKOGAWA AIP578 S1 Rio Optical Link Transceiver Board Module 94V-0 \$561.51 Free delivery Sponsored

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