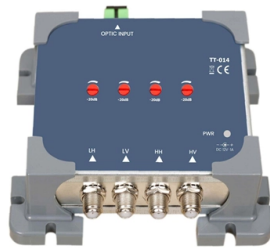


Optical module switch ring configuration



Overview

A fiber optic ring network is a physical or logical network topology where devices (usually switches) are connected in a closed-loop using fiber optic cables. Each node is connected to two other nodes, forming a ring-like structure. This design ensures data can travel in both directions. If one. Device Level Ring (DLR) is a Layer 2 protocol that enables redundancy in a ring topology, providing fast network fault detection and reconfiguration for industrial networks. DLR is an EtherNet/IP™ protocol that is defined by the Open DeviceNet® Vendors' Association (ODVA). This technology allows for high bit rate transmission to be switched between various optical lines. Figure: Optical Switch. Integrated circuits and reference designs help you create a smaller and faster optical module design used in high-bandwidth data communication applications. Whether you are creating a 100-Gbps or 400-Gbps, small form-factor pluggable (SFP) module, SFP+ transceiver, XFP module, CFP, X2/XENPAK module.



Article Content

How do you set the DIP switches on the PROFIBUS OLM in order to ...

The table below shows the settings of the DIP switches on the PROFIBUS OLM V4.1 / V4.0 / V3 for setup of a line topology with and without fiber optic cable segment monitoring.

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Redundancy Protocol Configuration Guide, Cisco Catalyst IE3x00, ...

To achieve three DLR rings, the IE3400 switch must have the redundancy FPGA profile configured. The switch can support a maximum of three DLR rings. To have three rings, configure a ...

Optical module design resources | TI

View the TI Optical module block diagram, product recommendations, reference designs and start designing.

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