

# How to connect the optical module of a ring network switch



## Overview

Connect the peripheral optical fiber cable to the ATB, splice the optical fiber cable and the optical jumper, and then wind the spliced cable around the fiber spool on the ATB. Only professionals are allowed to splice fibers. 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. Obtain optical modules from the fitting bag for fiber ring switching. The label of the optical module on the SFP1 port faces upward, whereas the label of the optical. OPTICAL SYSTEMS DESIGN 1 TECHNICAL SUMMARY BRIEF DESCRIPTION 1. 1 OVERVIEW The OSD2258 is a 10-port industrial switch with redundant ring Gigabit Ethernet providing simple network management with real-time monitoring. The fiber-optic technology permits long (1786-RPFRL/B module) or very long (1786-RPFRXL/B module) transmission ranges. Both modules provide optimum protection against EMI effects along the. 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).

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The 1786-RPFRL/B or 1786-RPFRXL/B long or extra-long modules can be used to create a redundant optical link between segments. When used in a ring topology, a single media failure between any two ...



Prepare optical modules by yourself or obtain them from the fitting bag for optical ring switching. Insert optical modules into the SFP1 and SFP2 ports of the SmartLogger. Pay attention to the directions of ...



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Both modules provide optimum protection against EMI effects along the transmission link and at the repeaters themselves. The fiber link provides ground isolation between nodes and is less susceptible ...



Ensure that the optical module is correctly oriented and gently push it into the optical port until you hear a click. If the optical module cannot be completely inserted into the optical port, do not force it into the ...



To enable the use of CLI the OSD2258 must be connected to a PC with a serial port and an appropriate cable as specified in section 2.2.6.



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Learn how to design a fiber optic ring network with practical diagrams, topologies, and switch setup tips. Explore ring network switch options for industrial applications.



Install an optical module on a port before connecting optical fibers to the transceiver module. Install dust plugs on idle optical ports. If an optical module cannot be completely inserted into an optical port, ...



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Take out the new optical module from the package. Ensure that the optical module is correctly oriented and gently push it into the optical port until you hear a click.

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.samastersbaseball.co.za>

Email: [sales@samastersbaseball.co.za](mailto:sales@samastersbaseball.co.za)

Phone: +27 63 874 2095

Address: 15 Innovation Drive, Technopark, Stellenbosch, 7600, South Africa

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