

How to connect a card-type optical splitter



At Overview

To connect a card-type optical splitter, install the rear module in the frame, mount the splitter card to mate with it, and connect fiber cables to the LC connectors after removing protective caps. **Step-by-Step Connection Guide**

1. **Safety First** Never look directly into fiber ends or connectors, as laser light can cause eye damage. Only trained personnel should perform installation or maintenance.
2. **Prepare the Frame and Splitter** Identify the slot pair in your 20-slot frame where the splitter will be installed. Each splitter unit and its rear module occupy two card slots. Install the rear I/O module in the designated slot. Ensure it is securely seated.
3. **Mount the Splitter Card** Insert the splitter card into the frame so that it mates with the rear module. The card should align properly with the module to ensure correct optical connections.
4. **Prepare Fiber Cables** Measure and cut fiber optic cables to the required length. Strip the protective jacket carefully to expose the inner fibers. Clean the fiber ends using a fiber optic cleaning tool to remove dust or debris, which is critical to prevent signal loss.
5. **Connect the Fibers** Remove protective caps from the LC connectors on both the splitter and the fiber cables. Connect the input fiber from your source (e.g., OLT or main fiber line) to the splitter's input port. Connect output fibers to the splitter's output ports. If cascading splitters, link one output to the input of the secondary splitter using compatible fiber patch cables.
6. **Verify Splitter Type and Compatibility** Ensure the splitter's type (single or dual channel) and split ratio (e.g., 1x2, 1x4, 1x8) match your network requirements. Use compatible connectors (LC, SC/APC, etc.) to avoid signal degradation.
7. **Test the Connection** After installation, check signal strength and quality to ensure minimal loss. Each splitter introduces some loss (e.g., ~3.5 dB for a 1x2 optical splitter), so account for cumulative loss if...

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1*2 Card-Type Fiber Optic Splitter The 1x2 fiber optic splitter is a part of passive components (also called optical passive components) in the process of optical

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Surelink SC UPC LGX box cassette type splitter 1:2 1:4 1:8 1:16 1:32 PLC splitter fiber optical splitter card inserting splitter Planar wave guide optical separator (PLC Splitter) is an integrated wave guide

Your Go-to Guide to Optical Splitter

The optical splitter is an optical power distribution device that splits one optical signal into multiple optical fiber signals to achieve multichannel

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How to Connect a Splitter to Another Splitter: A Complete ...

In this guide, we'll explain how to safely connect a splitter to another splitter, covering both fiber optic and coaxial setups.

Contact Us

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