

Installation location of 24-port terminal box



Overview

Connect one end of the cable to the LC port on the switch and the other end to the LC port on the other device.

Key Takeaways

A 24-port terminal box should be installed in a well-ventilated, accessible location, either on a wall or in a standard 19-inch rack, ensuring proper cable management and secure mounting.

Wall-Mounted Installation

For wall-mounted terminal boxes, select a designated zone on a flat wall that is free from obstructions and allows easy access to the ports . Mark the drilling points using the pre-identified holes in the box, then insert dowels and secure the box with screws to ensure stability . Ensure that the input and output ports are oriented correctly, typically with the input port on the bottom right and the output port on the bottom left, to facilitate proper cable routing . Maintain at least 2 inches (5 cm) of clearance around the box for ventilation and ease of access .

Rack-Mounted Installation

If installing in a 19-inch rack, place the terminal box at the bottom of the rack if it is the only unit, or follow the general rule of placing heavier components at the bottom for stability . Use the rack-mount kit supplied with the device, securing the brackets with screws and ensuring the box is firmly fastened . Verify that front-panel LEDs are visible, ports are accessible for cabling, and the AC power cord can reach the outlet . Ensure the rack is well-ventilated and not overcrowded to prevent overheating .

General Considerations

- **Accessibility:** The box should be in a restricted access area or secured with a lock if necessary .
- **Ventilation:** Avoid direct sunlight, heaters, or enclosed spaces without airflow .
- **Cable Management:** Use proper cable lengths (less than 100 meters for Ethernet) and route cables to prevent damage or safety hazards .
- **Grounding:** Ensure the equipment is properly grounded to prevent electrical hazards . By following these guidelines, the 24-port terminal box will be securely installed, easily accessible for maintenance, and properly integrated into the network infrastructure.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

