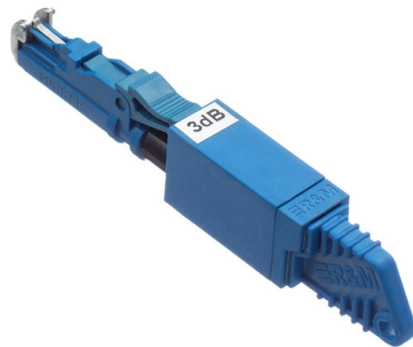


How to connect an industrial switch in Mongolia



AI Overview

To connect an industrial switch, ensure proper power supply, grounding, network cabling, and configuration for stable and secure operation.

Step 1: Choose Installation Location Select a suitable location for the switch, considering ventilation, accessibility, and environmental protection. For DIN-rail switches, mount on a DIN rail using pre-installed clips; for rack-mounted switches, use the provided brackets and screws to secure the device in the rack.

Step 2: Power Connection and Grounding Turn off the power supply before starting. Connect the positive wire from the power supply to the switch's positive terminal and the negative wire to the negative terminal. Ensure proper grounding to protect against surges, voltage fluctuations, and electrical noise. Use the AC power input ground or a separate grounding point, and connect any ground screws on the switch to the same point. For critical applications, consider dual power modules for redundancy.

Step 3: Network Cabling Use industrial-grade Ethernet cables (Cat5e or Cat6) to connect the switch to sensors, PLCs, controllers, or higher-level devices like routers and firewalls. Follow the correct line sequence and color coding. For long-distance or high-bandwidth requirements, use fiber optic connections with appropriate interfaces (SC, LC, ST) and jumpers.

Step 4: Switch Configuration Connect a computer to the management port or use a console cable to access the switch. Log in using the default or updated IP address, username, and password. Set the IP address and subnet mask for remote management. Create VLANs to isolate traffic and improve network security. Assign ports to VLANs based on device roles. Configure port modes (Access or Trunk), speed, and duplex settings according to connected devices. Enable security features such as MAC address binding, port speed limits, SSH, and HTTPS for management access. For redundanc...

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Contact Us

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