HIRSCHMANN
A BELDEN BRAND

RED25

COST-EFFECTIVE FAST ETHERNET SWITCHES

+ **Entry-level redundancy switches** designed for industrial automation applications in need of **cost-effective** and high-end redundant network solutions

+ **Customizable** based on specific port needs or environmental factors, such as temperature range

+ Interruption-free data communication made possible through **support for various redundancy protocols**

Hardware

- **Port options:**
  - Four fast Ethernet (FE) TX ports
  - Two FE TX ports, plus two FE small form-factor pluggable (SFP) ports
  - Front or rear mounting
- **Operating temperature range:** -40 ˚C to +70 ˚C

Software

- **Redundancy:** MRP, RSTP 802.1D-2004, PRP, HSR, DLR, link aggregation, link backup
- **Management:** SSHv2, HTTPS, TFTP, SCP, SFTP client, SNMP v1/v2/v3, LLDP-MED, SSH client
- **Diagnostic:** Persistent logging, syslog, port mirroring N:1, LLDP, copper cable test, port monitor
- **Configuration:** Command-line interface (CLI), Web-based management, DHCP server per port and pool per VLAN, text-based configuration file, CLI scripting
- **Security:** Port security, access control with 802.1x, , ACLs (MAC, IPv4), automatic denial-of-service prevention, audit trail, RADIUS, local user management
- **Time Synchronization:** IEEE 1588 PTPv2 TC two-step, SNTP server and client

RED25

Be certain.
Belden.

RED25 Entry-level Redundancy Switches

DESIGNED FOR INDUSTRIAL AUTOMATION APPLICATIONS

➕ Customer Benefits

Maximum productivity

Permanent access to systems and machines is an absolute must for profitable business systems. The RED25 family provides maximum productivity and network uptime, thanks to interruption-free data communications based on parallel redundancy protocol (PRP) and high availability seamless redundancy (HSR). Other redundancy technologies, like rapid spanning tree protocol (RSTP), device level ring (DLR), and media redundancy protocol (MRP), also allow the switches to connect to existing networks.

Cost effective

The RED25 family of switches offers maximum flexibility and a future-proof network design in order to provide industrial network engineers, system integrators and machine builders with an entry-level device at an affordable price. These switches meet entry-level industrial network needs and enable economical installations, including retrofits.

Features

Based on Hirschmann Operating System (HiOS) software, RED25 supports several redundancy technologies, while offering a comprehensive range of security features. The small form-factor pluggable (SFP)-based fiber support enables a flexible network structure by allowing easy changing the SFP in the field. A comprehensive set of security features also offer all-around network protection.

Customers

The RED25 family of switches is ideal for customers who desire cost-effective and customizable networking solutions for industries in need of redundancy and security.

Applications

- Extreme environmental conditions
- Cost-effective, yet high-end redundancy topologies
- High ambient temperatures

Markets

Manufacturing, machine building, automotive, water and wastewater, consumer packaged goods

RED25 switches have comprehensive built-in security features. They are customizable based on specific port needs or environmental factors, such as temperature range.