

Industrial Switches and Transceivers



Article Overview

Industrial switches and transceivers are rugged networking devices designed for reliable, high-performance communication in harsh industrial environments.

Industrial Switches

Industrial switches are specialized Ethernet switches built to operate under extreme conditions, including wide temperature ranges, vibration, and humidity. They provide Layer 2 connectivity, high availability, and manageability for industrial networks. Many models support Power over Ethernet (PoE) standards such as IEEE 802.3af, 802.3at, and 802.3bt, delivering up to 90W per port to power devices like surveillance cameras, wireless access points, and IoT sensors without additional cabling (Extreme Networks) . Key features include:

- Redundant ring technology for fault-tolerant networks
- Zero-touch provisioning via Fabric Attach for automated integration into virtualized networks
- Extended temperature operation for outdoor or factory-floor deployment
- Applications include smart cities, intelligent transportation systems, utilities, and industrial automation .

Industrial Transceivers



Article Content

SCALANCE

SCALANCE offers a comprehensive portfolio of industrial communication solutions. Find the perfect connection for every industrial

Industrial automation and control products

Discover how industrial automation and automated control systems can enhance product quality, boost efficiency, and increase your

McKinsey Direct Opportunities in networking optics: Boosting supply

Opportunities in networking optics: Boosting supply for data centers Potential shortfalls in networking optics supply could hinder data

Industrial Controls Download Catalog | Siemens

The Siemens Industrial Controls Catalog offers fast, interactive product selection with IEC and NEMA controls, circuit breakers,

Industrial Switch

With flexible DIN-rail and wall-mounted installation, efficient data transmission and fast link fault recovery, our high-compatibility

Transceivers

Explore high-quality CAN and LIN transceivers for automotive and industrial applications. Ensure robust and reliable data transfers

Industrial Ethernet Switches | Phoenix Contact

Our Industrial Ethernet Switch portfolio comprises Managed and Unmanaged Switches with Gigabit, PoE, IEC 61850 certification,

Intelligent IoT Solutions

IoT building blocks & gateways, cloud-based device management, automated downtime managers: Lantronix IoT products and

Transceivers

The high-quality, small form-factor pluggable (SFP) and 10G small form-factor pluggable (XFP) transceivers are tested and approved

Durable Industrial Switches

D-Link's Industrial Switches have industrial-grade resilience to maintain your network uptime despite extreme hot and cold

Industrial Ethernet Switches

FS Industrial Ethernet Switches with robust design for harsh industrial and outdoor environments subject to vibrations, shocks and

Industrial Switches (ISW) | Extreme Networks

Extreme Industrial Switches are an excellent choice for industrial environments, including intelligent transportation systems, utilities,

Layer 2 Managed Switches

Moxa's Layer 2 managed switches feature industrial-grade reliability, network redundancy, and security features based on the IEC

Industrial-Switches | Automatisierungstechnik | Produkte | WAGO

Das Switch-Portfolio von WAGO sorgt für die Skalierbarkeit Ihrer ETHERNET-Netzwerkinfrastruktur mit hervorragenden elektrischen

SEL-2730M Managed 24-Port Ethernet Switch | Schweitzer

The SEL-2730M is a managed 24-port layer-2 switch. Apply the switch to build reliable, safe Ethernet networks in electrical

Ethernet Switches

Moxa provides a wide range of industrial Ethernet switches that feature industrial-grade reliability, network redundancy, strengthened

Industrial network switch

Find your industrial network switch easily amongst the 1,146 products from the leading brands (SARRALLE, Volktek, Maisvch, ...) on

FS Reliable 1G SFP Industrial Transceivers for Harsh Environments

A local communication network is established via industrial Ethernet switches to enable centralized management and efficient

Contact Us

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