

Semi-industrial switches



AI Overview

Semi-industrial switches are robust, versatile devices designed for industrial or semi-industrial environments, including mechanical, network, and smart power switches.

Types of Semi-Industrial Switches

Mechanical and HMI Switches: These include pushbuttons, toggle switches, selector switches, rotary switches, and joysticks. They are commonly used in control panels, machinery, and human-machine interfaces (HMI) to provide reliable manual control and feedback in industrial settings. Manufacturers like APEM offer customizable solutions that meet high HMI standards and can operate under extreme conditions . DigiKey lists various mechanical switches such as emergency stop, interlock, and cable pull switches for safety and operational control .

Industrial Ethernet Switches: Semi-industrial network switches, such as those from Weidmüller and Siemens SCALANCE, provide reliable communication in industrial networks. Unmanaged switches offer plug-and-play connectivity with basic protocols like autonegotiation and flow control, while managed switches allow advanced features like VLAN, Quality of Service, redundancy, and SNMP for bandwidth and data management . These switches are designed to withstand harsh environments, including temperature fluctuations, vibrations, and dust.

Smart Power Switches: Infineon's smart power switches are high-performance MOSFET-based devices that control electrical circuits with integrated protection, load control, and diagnostics. They are suitable for 12 V, 24 V, and 48 V systems in industrial and automotive applications, offering protection against short circuits, overcurrent, and overtemperature, and can replace traditional fuses and relays

Article Content

Feb 19, 2026

Semiconductor Switch: Key Components and Future Developments in

From power electronics to automotive electronics to industrial control, Semiconductor switching devices are increasingly being used

Jun 20, 2026

Industrial Heavy-Duty Spec Grade Switches

Industrial Extra Heavy-Duty Specification Grade Switch, Lighted On, Back and Side Wire

Jul 31, 2025

SEMI EMO Switches | Emergency Stops | APEM

Based on IDEC comprehensive E-stop range, these SEMI EMO Switches allow you to build an Emergency

Nov 09, 2025

Switches | DigiKey

Featured Manufacturers Common Switch Types Safety and Emergency Switches
Cable Pull Switch: Used in conveyor or industrial

Jun 15, 2026

Industrial Switches | Newark Electronics

Industrial switches are critical components in automated systems, used to control machinery, equipment and safety mechanisms.

Feb 28, 2026

Layer 2 Managed Switches

Layer 2 Managed Switches Moxa's Layer 2 managed switches feature industrial-grade reliability, network redundancy, and security

Jan 20, 2026

SCALANCE

SCALANCE X-100 unmanaged switches and media converters are ideal for the cost-effective setup of

Nov 03, 2025

Industrial Switches for Modern Manufacturing and Automation

Discover how industrial switches support modern manufacturing and automation with durability, flexibility, quality of

Dec 27, 2025

Industrial Switches | Industrial Ethernet Switches | Antaira

Various markets utilize our industrial Ethernet switches, including automation processes, smart transportation systems, security

Aug 06, 2025

Industrial Automation – Mouser

Industrial Automation are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Industrial Automation.

Apr 04, 2026

Comprehensive Analysis of Industrial Switches

Comprehensive Analysis of Industrial Switches: An In-Depth Guide to Types, Pros and Cons, and Application

Sep 09, 2025

Industrial Switch

Hikvision's industrial switches provide robust and reliable networking solutions, designed for industrial environments with advanced

Oct 10, 2025

Analog Switches & Multiplexers | Analog Devices

Analog Devices offers comprehensive portfolio of switches and multiplexers covering single to multiple switch elements with various

Nov 12, 2025

A Comprehensive Guide to Selecting Industrial Switches

In conclusion, selecting an industrial switch is a task that requires comprehensive consideration of various factors.

Jun 18, 2026

Industrial Ethernet Switches

Westermo industrial Ethernet switches are designed to deliver reliable and secure communication in harsh and demanding

Jun 08, 2026

FS Community

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Jun 02, 2026

Durable Industrial Switches

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

Mar 02, 2026

Our Products — Sector Microwave Industries

Hi-Rel space switches are lightweight, ruggedized, fully traceable units which are built to the extremely

Apr 12, 2026

Industrial Series Switches

Discover our selection of Industrial Series Switches. Our product experts are here to assist you. Get in touch with our team now.

Feb 03, 2026

Industrial Switches (ISW) | Extreme Networks

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

Dec 20, 2025

Electromechanical Switches for Industrial Applications,

Electromechanical switches for industrial applications include pushbutton, tact, rocker, toggle, anti-vandal,

Oct 16, 2025

Industrial Switch: Understanding Industrial Ethernet Switch ...

How do Industrial Ethernet Switches work? Learn about industrial network switch and Ruggedized Industrial Ethernet Switch

Jul 08, 2026

Industrial Ethernet Switches | Phoenix Contact

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

Oct 08, 2025

RUGGEDCOM RS layer 2 compact industrial ethernet

Find a wide range of space-saving and cost-effective compact Ethernet Layer 2 switches with Gigabit or

Aug 21, 2025

Industrial switches | Industrial controls | B& Q

Buy Industrial switches at B& Q - Inspiration for your home & garden. Products reviewed by customers. Discover top DIY brands.

Jan 18, 2026

SCALANCE

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

May 24, 2026

Industrial Switches (ISW) | Extreme Networks

Extreme Industrial Switches are a family of ruggedized Layer 2 switches designed to operate under harsh environments and

Nov 09, 2025

Industrial switches demystified: Types, materials used and design ...

Industrial switches form a crucial backbone in modern manufacturing, automation, and large-scale industrial networks.

Apr 19, 2026

Industrial Ethernet Switches | Industrial Network Switch | Perle

Industrial-grade Ethernet Switches are specifically designed to connect devices in network environments that are subject to extreme

Jun 25, 2026

Ethernet Switches

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

Jun 03, 2026

Switches | DigiKey

Shop DigiKey's large in-stock selection of Switches. View inventory, pricing and order now for same day

Aug 04, 2025

Unmanaged Industrial Ethernet Switches

Explore Westermo unmanaged industrial Ethernet switches for plug-and-play connectivity in demanding environments. 5 to 12 ports,

Jun 18, 2026

Smart power switches

Explore Infineon's smart power switch portfolio – intelligent power switches for automotive and industrial

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://ntmmgroup.co.za>

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town, 7441, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

