Genuine Industrial-Grade Switches



Overview

Industrial switch, Industrial electric switch Find your industrial switch easily amongst the 171 products from the leading brands (BANNER, ELMA, NXP.).

Key Takeaways

Industrial-grade genuine switches are robust, high-performance switches designed for harsh environments, offering reliability, safety, and compliance with industry standards.

Network Switches

Industrial Ethernet switches are engineered for mission-critical performance in extreme conditions, supporting both Layer 2 and Layer 3 managed/unmanaged configurations. They often include PoE/PoE+/PoE++ capabilities delivering up to 90W per port, surge protection, and smart power management for devices like IP cameras, IoT sensors, and wireless access points (Moxa, Maisvch, Extreme Networks). Key features include: Ruggedized design for temperatures from -40°C to +75°C and vibration/shock resistanceNetwork redundancy with RSTP or full redundant ring technology for continuous uptimeProtocol support for industrial automation, including PROFINET, Modbus, EtherNet/IP, and EtherCATCertifications for rail, power grid, coal mining, and intelligent transportation systems (EN 50155, IEC 61850-3, NEMA TS2)Flexible mounting options such as DIN-rail or rackmount, and modular port configurations up to 10GbE Some advanced switches also support time-sensitive networking (TSN), precision timing (PTP), and single-pair Ethernet (SPE) for process automation, enabling seamless IT/OT integration.

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Electrical Toggle Switches

For electrical control applications, industrial-grade toggle switches provide high durability and safety. Typical specifications include: Voltage ratings: 120/277V ACCurrent ratings: 20–30 AmpHorsepower ratings: 1HP at 120V, 2HP at 240–277VConfigurations: Single-pole, double-pole, and 3-way switchesConstruction: Self-grounding, back and side wired, with external clamp-type terminals for secure connectionsColor options: White or ivory for visibility and standardization These switches are designed for industrial environments where frequent operation, electrical load, and safety compliance are critical.

Choosing the Right Switch

When selecting industrial-grade switches, consider: Environmental conditions: Temperature, humidity, vibration, and exposure to dust or chemicalsPower requirements: PoE needs for network devices or amperage for electrical switchesProtocol and network compatibility: Ensure support for industrial communication standardsCertifications and compliance: EN, IEC, NEMA, or other industry-specific standardsInstallation flexibility: DIN-rail, rackmount, or panel mounting options Reliable suppliers like Moxa, Maisvch, Extreme Networks, Platt Electric Supply, and Allied Telesis offer a wide range of industrial-grade switches suitable for networking and electrical control applications, ensuring both performance and compliance in demanding industrial environments.

Article Content

Industrial switch, Industrial electric switch

Find your industrial switch easily amongst the 171 products from the leading brands (BANNER, ELMA, NXP, ...) on DirectIndustry, the industry specialist for your professional purchases.

All Industrial Switch Products

Ruijie offers next-generation industrial Ethernet switches designed for harsh industrial environments, providing flexible full-gigabit access as well as 10GE uplink ports, and supporting a wide operating

Industrial Switches

Future-proof industrial switches are designed to meet the stringent requirements of reliable high-performance in harsh environments.

Industrial Switches (ISW) | Extreme Networks

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Extreme Industrial Switches are an excellent choice for industrial environments, including intelligent transportation systems, utilities, and smart cities. Full redundant ring technology creates fault-

Industrial Series Switches | Hubbell

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

Heavy-duty industrial grade switches

Eaton''s Arrow Hart heavy-duty industrial grade switches are designed to provide dependable and long-lasting performance in a wide range of applications.

Industrial Switches | Newark Electronics

From basic mechanical pushbuttons to advanced touchless and biometric switches, our range is curated to ensure quality, durability and compliance with international standards.

Commercial Switches – Leviton

Thank You for Choosing Leviton. As the brand trusted by professional electricians and builders, we honor our heritage of reliability, innovation, and unwavering

Durable Industrial Switches

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

Commercial Switches | Light switches | Power Switches

Commercial Switches from Leviton are varied to fit any industrial or commercial project. This includes commercial light switches, Toggle Switches, Modular

Every Switch Type You Need to Know for Industrial

7 Common Industrial Switch Types in Electronics Switches come in a variety of shapes, sizes, and current ratings. An industrial-grade switch can

Industrial Ethernet Switches | Filter and Search Products

Industrial-grade Ethernet Switches are specifically designed to connect devices in network environments that are subject to extreme operating temperatures of -40°C to 75°C, vibrations, and shocks. They

Industrial Grade Managed and Unmanaged Switches

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Industrial Grade Managed and Unmanaged Ethernet Switches are specialized networking devices designed to handle the unique demands of industrial environments, where conditions like

Industrial Network Switches

Industrial network switches are essential components for maintaining robust and efficient communication within industrial environments. Designed to withstand harsh conditions, these switches ensure

Industrial Grade Ethernet Switches -

Discover what industrial grade Ethernet switches are, their unique features, real-world applications, key differences from regular switches, and where to buy.

How to pick the right Industrial Ethernet Switch for

Industrial Ethernet switches are comprised of managed and unmanaged switches with Gigabit, PoE, and various industry certifications. Featured industrial-grade

Types of Industrial Grade Network Switches

Learn about L2 and L3 Industrial Grade Network Switches, PoE vs non-PoE types, and how to choose the right rugged switch for your industrial setup.

Industrial Grade Switches | Industrial Ethernet Switches

Impulse Industrial grade switches suite consists of PoE, PoE+, PoE++ managed industrial ethernet switches for tough environments and outdoor deployments.

Contact Us

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Website: https://cgweb.co.za
Technical inquiry: https://cgweb.co.za/project-enquiry.html

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

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