

Industrial-grade gigabit switches



Article Overview

Gigabit industrial-grade switches provide high-speed, reliable, and secure connectivity for harsh industrial environments, supporting PoE, redundancy, and advanced network management.

Key Features

High-Speed Connectivity: These switches offer full Gigabit Ethernet (GE) ports, often with 10-GE uplinks for high-bandwidth applications, ensuring low-latency and high-throughput performance for industrial automation and AI-driven operations (Cisco, Advantech, Phoenix Contact) . **Power over Ethernet (PoE):** Many industrial switches support PoE and PoE+ standards (IEEE 802.3af/at), enabling devices like IP cameras, sensors, and wireless access points to receive power and data over a single cable, simplifying deployment and reducing cabling costs (Cisco, Advantech, Phoenix Contact) . **Rugged Design:** Industrial switches are built to withstand extreme temperatures, vibration, shock, and humidity. For example, D-Link DIS series operate from -40°C to +75°C and are certified for vibration, shock, and free-fall, making them suitable for outdoor cabinets, factories, and transportation systems . **Network Redundancy and Resiliency:** Features like ring topology support, rapid failover, and advanced resiliency protocols ensure continuous network operation even in case of link or device failures (Cisco, Moxa, Phoenix Contact) . **Security and Management:** Industrial switches often include advanced security features such as microsegmentation, zero-trust remote access, and network monitoring tools. Management options range from fully managed to lightly managed switches, with software platforms like Cisco Catalyst Center, Cisco Meraki, or FL Network Manager for configuration and monitoring . **Certifications and Standards:** Many switches com...

Article Content

Industrial Switches (ISW) | Extreme Networks

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

8-Port Managed Industrial Gigabit Ethernet Switch, SFP, DIN | Eaton

Fully managed 8-port switch with dual SFP slots expands your Gigabit Ethernet network in harsh environments, including

How to pick the right Industrial Ethernet Switch for critical networks

Industrial Ethernet switches are comprised of managed and unmanaged switches with Gigabit, PoE, and various industry

Layer 3 Managed Switches

Moxa's Layer 3 managed switches feature industrial-grade reliability, multicast availability, and security enhancements based on the

16-Port Managed Industrial Gigabit Ethernet Switch | Eaton

Expand your Gigabit Ethernet network into harsh environments, such as mines and construction sites, with this 16-port Lite Managed

Ethernet Switches

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

Industrial Switches | Industrial Ethernet Switches | Antaira

Industrial Ethernet Switches Antaira offers a variety of industrial Ethernet switches, including industrial-grade network switches, DIN

8-Port Industrial Gigabit PoE Switch | IDS-108HP

Each component within these industrial-grade switches is specialized with overbuilt hardware and chips, ensuring their suitability for

Industrial Power over Ethernet

PLANET Technology offers a range of Industrial Power over Ethernet solutions, including managed and unmanaged switches,

Industrial Ethernet Switches

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

Industrial Grade 5P Gigabit Ethernet Switch, IEEE

compatible with 25mm standard rail. 5~36V wide voltage range power supply, dual power inputs (DC jack

5-Port Managed Industrial Gigabit Ethernet Switch, -40° to 75°C, DIN ...

Fully managed 5-port switch with SFP slot expands your Gigabit Ethernet network in harsh environments, including construction

Managed Industrial Ethernet Switches

FiberPlex FP2008E This Layer 2 switch is a managed switch that delivers copper and fiber gigabit Ethernet connectivity in harsh

Industrial Ethernet Switches | Eaton

Tripp Lite's industrial-grade network switches expand Gigabit Ethernet connectivity to factory floors and other environments with

Durable Industrial Switches

With Gigabit Ethernet, rapid failover, powerful security, and certifications for vibration, shock, and free-fall,

NGI-M08POE8-L2 | Eaton Tripp Lite series managed industrial

NGI-M08POE8-L2 - 8-Port Managed Industrial Gigabit Ethernet Switch - Layer 2, 1 Gbps, PoE+ 30W, -40° to 75°C, DIN Mount, TAA

Industrial Ethernet Switches | Phoenix Contact

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

L2/L3 Managed Ethernet Switch

Industrial Reliability and Flexible Network Management Built for industrial reliability and network control, ORing's managed industrial

Industrial Ethernet Switches

Our managed Ethernet switches, fiber switches, and router switches provide fast Ethernet and gigabit

Industrial Switches for Rugged Conditions | Omada by TP-Link

Omada industrial switches provide reliable gigabit connectivity in environments where standard networking equipment can't operate.

Industrial Ethernet Switches

Industrial Ethernet switches offer Gigabit transmission speeds, various connection options, and are built to withstand extreme

Industrial Switches

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

Industrial Ethernet Switches | WAGO

Industrial Eco Switches Cost-Effective and Compact Designed for small to medium-sized data networks Rugged design - DIN-rail

Industrial Gigabit PoE+ Web Managed Switch for IIoT, Smart

The Edimax Pro IGS-5408P industrial 8-port PoE+ Gigabit web managed switch comes with 4 SFP slots for enduring, reliable,

Industrial Ethernet Switches

Workhorses for a broad spectrum of industrial needs, these modular switches feature high-wattage PoE

Managed Switches

Tackle complex networks with NETGEAR managed switches. Get PoE, SFP, and multi-gig support, plus cloud or local control. Shop

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