

Gigabit Industrial-Grade Network 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 s...

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

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8-Port Industrial Network Switch, Gigabit, Unmanaged, DIN Mount

Unmanaged 8-port Gigabit Ethernet switch is designed to expand connectivity in harsh environments, including factories,

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Industrial Ethernet Switches

Workhorses for a broad spectrum of industrial needs, these modular switches feature high-wattage PoE options, high-speed 10-GE

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Gigabit Switches | Industrial Ethernet Switch | EtherWAN

EtherWAN's gigabit industrial Ethernet switches provide high port density, and are an economical solution for applications with high

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Ethernet Switches

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

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Industrial Switches | Industrial Ethernet Switches | Antaira

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

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Industrial Ethernet Switches

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Industrial Ethernet Switches

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

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Industrial Grade 5P Gigabit Ethernet Switch, IEEE

Industrial grade 5P Gigabit Ethernet switch, IEEE 802.3x-compliant full-duplex 10/100/1000M connection,

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Unmanaged Switches

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Durable Industrial Switches

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

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Best Industrial Gigabit Ethernet Switches for Rugged Networking ...

This article highlights five robust industrial gigabit ethernet switches designed for DIN rail mounting, harsh conditions,

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Network Switches

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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

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Durable Industrial Switches

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

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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

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Industrial Switches

10-Port Industrial Gigabit L2 Managed DIN-Rail Switch TI-G102i (Version v1.6R) MORE INFO FIND RETAILERS Add to cart

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Thoughtful features such as DIN rail mounting, Power over Ethernet (PoE) ports and rugged metal cases make these switches a

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Layer 2 Managed Switches

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

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Industrial Network Switches

Industrial network switches are essential components for maintaining robust and efficient communication within industrial

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Amazon : Industrial Ethernet Switch

Industrial Ethernet Switch, 6-Port Gigabit Ethernet Switch Hardened, 1000Mbps, 4*1 RJ45 Uplink+1 SFP Port, Din Rail & Wall

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