

Industrial-grade switch with multiple ports



Article Overview

Industrial-grade switches with multiple ports provide reliable, high-speed connectivity, PoE support, and robust management for harsh environments.

Key Features of Industrial Switches

Port Configurations: Industrial switches are available with multiple Ethernet ports, typically ranging from 8 to 64 ports, with options for Gigabit or 10-Gigabit speeds. Many models include SFP uplink ports for flexible fiber optic connectivity, enabling long-distance, low-latency communication (Comxus 8-Port switch) . **Management Options:** Switches can be unmanaged, managed, or Layer 2/Layer 3 smart switches. Managed switches provide advanced features such as VLANs, QoS, network redundancy, and security protocols compliant with IEC 62443 standards (Moxa, Cisco) . Layer 2+ switches allow efficient packet forwarding and network monitoring, while Layer 3 switches support routing and multicast traffic for complex industrial networks . **Power over Ethernet (PoE):** Many industrial switches support PoE, PoE+, or PoE++ , delivering up to 90 W per port to power devices like IP cameras, wireless access points, VoIP phones, and industrial IoT equipment directly through Ethernet cables, reducing wiring complexity . **Environmental Robustness:** Industrial switches are designed to operate in extreme temperatures (-40°C to 75°C), high vibration, and shock conditions, making them suitable for manufacturing, transportation, oil & gas, and outdoor deployments (FS, Comxus) . Surge protection and ruggedized enclosures ensure continuous uptime in harsh environments . **Network Redundancy and Security:** Industrial switches often include redundancy protocols, fast failover, and a...

Article Content

Industrial Ethernet Switches | Phoenix Contact

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

Layer 3 Managed Switches

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

Industrial Ethernet Switches | Eaton

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

PoE Switches

We provide a wide range of PoE/PoE+/PoE++ switches with up to 90 W output per port to deliver high-speed data transmission while

4 Port Managed Industrial-Grade PoE Switch With 2 SFP | Comxus

Rugged 4 Port Managed Industrial-Grade PoE Switch with 2 Giga Uplink SFP . Compact design, Layer 2+ features & reliable

Sixnet® SLX-5MS-5ST Managed 5-port Industrial Ethernet Switch

Item number SLX-5MS-5ST The Sixnet® 5-port Managed Industrial Ethernet Switch enables fast Ethernet connectivity for industrial

Industrial Switches (ISW) | Extreme Networks

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

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

8 Port Managed Industrial PoE Switch With 2 Giga SFP | Comxus

The Comxus 8 Port Industrial-Grade Managed PoE Network Switch with 2 SFP Ports is a robust and intelligent networking solution

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

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

Industrial Ethernet Switches | Filter and Search Products

Industrial Ethernet Switches 5 to 9 Port Industrial Grade Switches Industrial-grade Ethernet Switches are specifically designed to

Durable Industrial Switches

With their strong build, the whole family of DIS industrial switches are certified against vibration, shock and free-fall. We're so

Industrial Layer 3 Ethernet Switches | Westermo

Westermo industrial Layer 3 Ethernet switches provide secure and reliable routing for mission-critical networks. Designed for harsh

Unmanaged Industrial Ethernet Switches | Rugged DIN Rail Switch

Unmanaged Industrial Ethernet Switches Compact DIN Rail Switches Industrial-grade Unmanaged Switches are "plug & play"

Industrial grade USB HUB, Extending 4x USB 3.2 Ports ...

Industrial grade USB HUB, Extending 4x USB 3.2 Ports, Switchable dual hosts, Multi Protections | USB3.2-Gen1-HUB-2IN-4OUT 4x

Industrial Ethernet Switches | WAGO

WAGO's switch portfolio provides scalable Ethernet network infrastructure with excellent electrical and mechanical performance.

Contact Us

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