More affordable industrial-grade switches



Overview

How to pick the right Industrial Ethernet Switch for The initial decision to make when selecting an industrial Ethernet switch is whether to go with a mana.

Key Takeaways

For cost-effective industrial-grade switches, consider unmanaged or entry-level managed models from Moxa, FS, Ruijie, and Extreme Networks, which balance reliability and affordability.

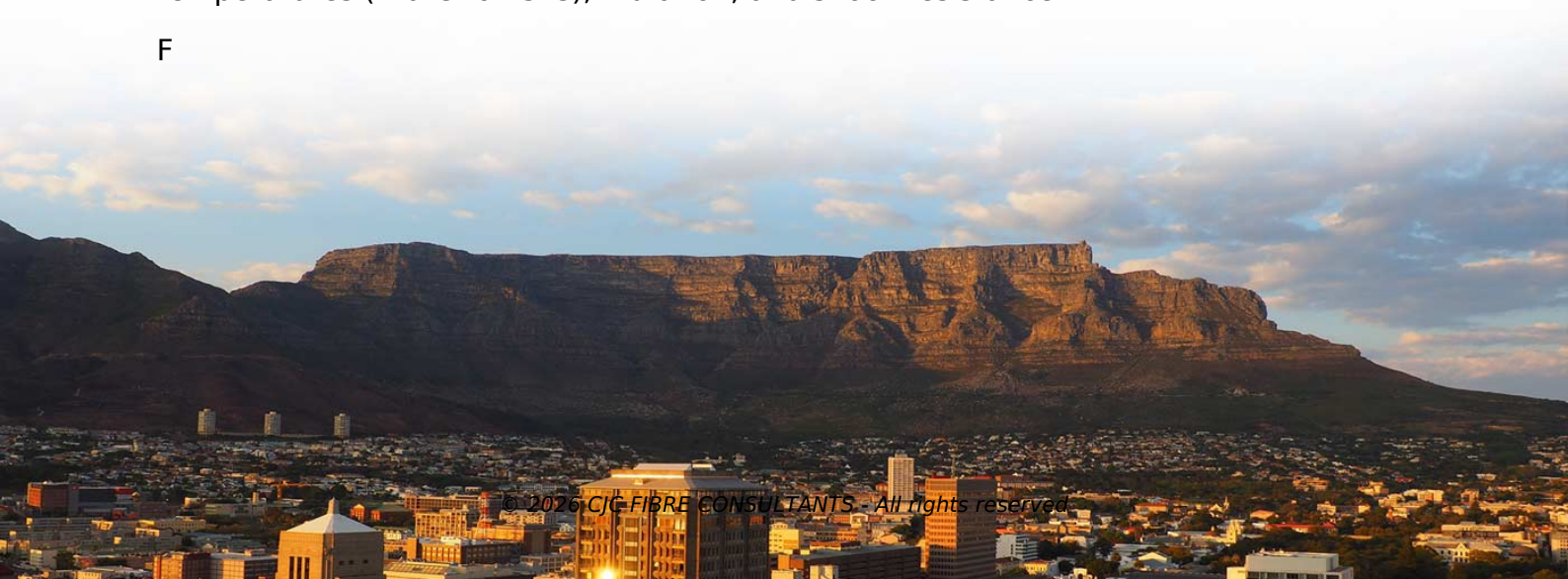
Key Options

Moxa Industrial Switches: Offers a wide range of unmanaged and Layer 2 managed switches with industrial-grade reliability, network redundancy, and support for protocols like PROFINET, Modbus, and EtherNet/IP. Their portfolio includes competitively priced models suitable for harsh environments and rail applications (EN 50155) while maintaining easy installation and monitoring features.

F

S Industrial Ethernet Switches: Provides 8/16/24 port switches designed for extreme temperatures (-40℃ to 75℃), vibration, and shock resistance.

F



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S switches are generally more affordable for small to medium industrial deployments and support both managed and unmanaged configurations. Ruijie IS5200 Series: Offers ruggedized switches with operating ranges from -40°C to +75°C, DIN rail mounting, and fanless designs. The series includes 3, 4, 12, and 20 port options, including PoE variants, providing flexibility for edge and cabinet-mounted networks at competitive prices.

Extreme Networks IS

W Series: While slightly higher in price, these switches provide robust Layer 2 performance, PoE up to 90W per port, and full redundant ring technology. They are suitable for smart city, transportation, and utility applications, offering zero-touch provisioning via Fabric Attach for simplified deployment.

Cost-

Saving Considerations

Unmanaged vs Managed: Unmanaged switches are generally cheaper and sufficient for simple industrial networks, while managed switches provide advanced features like VLANs, redundancy, and security but at a higher cost.

Port Count and Po

E Needs: Selecting only the required number of ports and PoE capabilities can reduce costs. For example, 8- or 12-port switches are more affordable than 24-port models. Environmental Ratings: Choose switches rated for the specific temperature and vibration conditions of your deployment.

Over-specifying can increase costs unnecessarily. Vendor Selection: Brands like FS and Moxa often provide a better price-to-performance ratio for industrial-grade switches compared to premium enterprise brands.

Summary

For affordable industrial-grade switches, focus on unmanaged or entry-level managed models from Moxa, FS, or Ruijie. Ensure the switch meets your environmental, PoE, and protocol requirements without over-specifying features, which helps maintain cost efficiency while ensuring industrial reliability.

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Article Content

How to pick the right Industrial Ethernet Switch for

The initial decision to make when selecting an industrial Ethernet switch is whether to go with a managed switch or an unmanaged switch. Unmanaged switches are

Industrial Ethernet Switches

FS Industrial Ethernet Switches with robust design for harsh industrial and outdoor environments subject to vibrations, shocks and extreme temperature fluctuations from -40℃ to 75℃ generally.

How to Pick the Right Industrial Ethernet Switch: Managed vs.

Unmanaged switches are more affordable and require almost no maintenance, making them suitable for simple or temporary installations. Managed switches have a higher initial cost but

Best Enterprise Switches 2025: Top 5 Network Switches

A: The top 5 enterprise-grade managed switches for 2025 are the Cisco Catalyst 9300X (secure access), HPE Aruba CX 8360 v2 (resilient core),

Shop Industrial Ethernet Switches for field of industrial control

Explore competitively priced industrial switches of Cisco, with wide application, low price, and the use of transparent and unified TCP / IP protocol.

Industrial Ethernet Switches – Cost-Effective,

Unmanaged and managed switches in various designs are available to enhance performance and security. These robust switches are designed for industrial use

Industrial Switches

10-Port Hardened Industrial Gigabit DIN-Rail Switch TI-G102 (Version V1) MORE INFO FIND RETAILERS Add to cart

Industrial Grade Switches

20 Amp, 120/277 Volt, 1HP at 120V or 2HP at 240V-277V, Toggle Single-Pole AC Quiet Switch, Industrial Grade, Self Grounding, External Clamp-Type Terminals, Back & Side Wired, Ivory.

Industrial network switch

Find your industrial network switch easily amongst the 1,146 products from the leading brands (Hilscher, Volktek, Maisvch, ...) on DirectIndustry, the industry

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Industrial Ethernet Switches

Westermo industrial Ethernet switches are designed to deliver reliable and secure communication in harsh and demanding environments. Our industrial Ethernet switches enable the creation of cost

9 Best Network Switches for 2024: Speed and Features

Network switches can increase your network''s connectivity speeds, give you access to more ports, and cut your infrastructure costs. Find the right

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

Amazon : Industrial Ethernet Switch

TRENDnet 8-Port Industrial Fast Ethernet DIN-Rail Mini Switch, TI-ELC80, 8 x 10/100Mbps Ports, IP50 Rated Housing, 1.6Gbps Switching Capacity Add to cart

How should I choose an industrial grade Ethernet switch?

In modern industrial automation, Industrial Ethernet Switches (IES) have become a key component. Correctly selecting the right industrial grade switch is crucial to ensure the stability and

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 operating temperatures of -40°C to 75°C, vibrations, and shocks. They

10 Best Industrial Ethernet Switches

Industrial Ethernet switches are the backbone of industrial networks, providing the necessary connectivity and reliability needed in the harsh environments that factories and industrial facilities

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.

The difference between industrial-grade switches and enterprise-grade ...

Industrial-grade switches and enterprise-class switches exhibit notable differences in design philosophy, structural design and durability, data transmission performance and redundancy, anti-interference

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