Well-known industrial-grade switch brand



Overview

Top 10 Network Switch Manufacturers: Global Leaders RevealedIndustrial Ethernet switches, like those from Siemens Scalance or Moxa, are designed to operate.

Key Takeaways

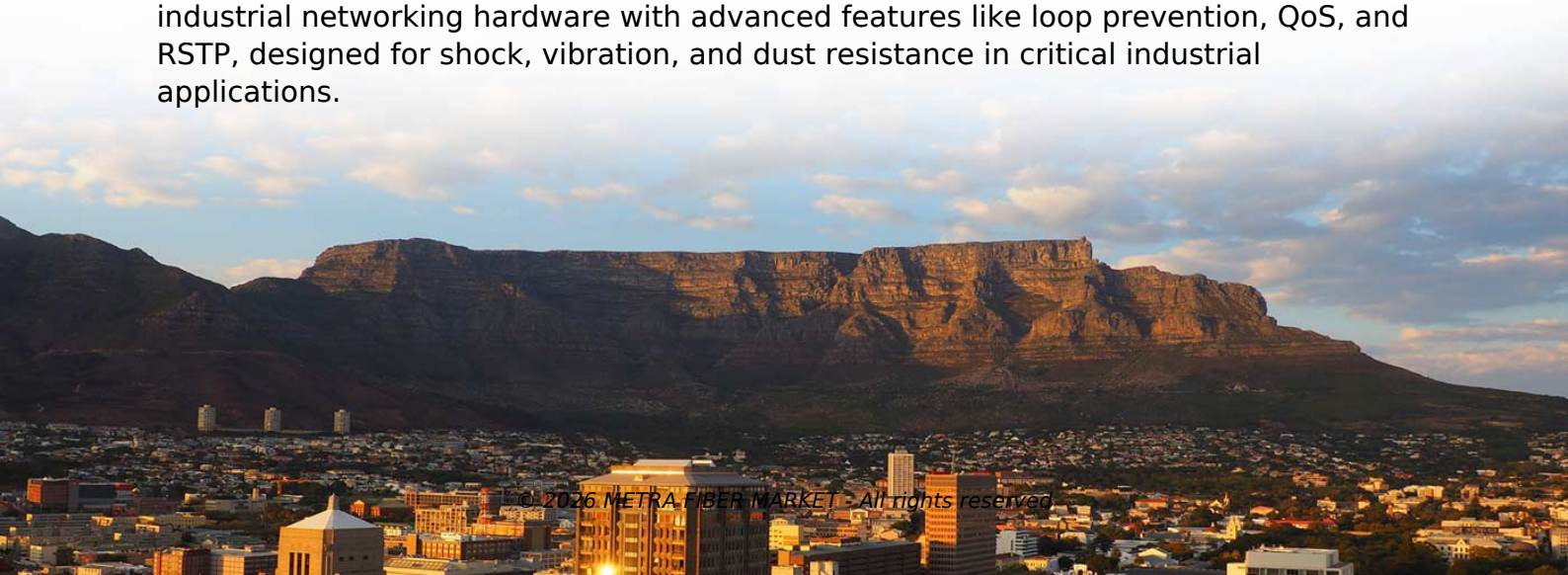
Top industrial-grade switch brands include Omnitron Systems, ANTAIRA Technologies, Phoenix Contact, TRENDnet, TP-Link, and NETGEAR, offering rugged, reliable, and high-performance solutions for harsh environments.

Leading Industrial Switch Brands

Omnitron Systems Technology, Inc. – Known for fiber optic connectivity, media converters, and industrial Ethernet switches, Omnitron provides durable solutions for factories, utilities, and data centers, ensuring reliable network performance under extreme conditions.

ANTAIR

A Technologies, LLC. – Offers industrial Ethernet switches with robust construction, supporting redundancy protocols, PoE, and wide temperature ranges, suitable for transportation, manufacturing, and energy sectors. Phoenix Contact – Specializes in industrial networking hardware with advanced features like loop prevention, QoS, and RSTP, designed for shock, vibration, and dust resistance in critical industrial applications.



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TREN

Dnet – Provides rugged unmanaged switches such as the TI-E50, featuring DIN-rail mounting, IP50 protection, wide operating temperatures (-40°F to 176°F), and compliance with NDAA/TAA standards, ideal for industrial and government deployments. TP-Link – Offers models like the TL-SG116, a 16-port Gigabit switch with fanless design, energy-efficient operation, and sturdy metal chassis, suitable for office-to-warehouse networks requiring reliable, low-maintenance performance.

NETGEA

R – Supplies unmanaged 8-port industrial switches with plug-and-play Ethernet connectivity, rugged metal housing, and wide temperature tolerance, making them practical for machinery rooms and remote cabinets.

Key Features to Consider

Ruggedness: Resistance to shock, vibration, dust, and extreme temperatures (-40°C to 85°C or -40°F to 176°F)Mounting Options: DIN-rail, wall-mount, or compact form factors for tight spacesPoE Support: Power over Ethernet for devices like cameras, Wi-Fi access points, and VoIP phonesManaged vs Unmanaged: Managed switches offer VLANs, traffic control, and remote monitoring; unmanaged switches provide simple plug-and-play deploymentCompliance: Industrial certifications (NEMA TS2, IEEE 802. 3 standards) and government procurement standards (NDAA/TAA)Redundancy & Reliability: Dual power inputs, redundant paths, and rapid recovery protocols for continuous operation These brands and models are widely recognized for industrial reliability, scalability, and performance, making them suitable for demanding environments where network uptime and durability are critical.

Article Content

Top 10 Network Switch Manufacturers: Global Leaders Revealed

Industrial Ethernet switches, like those from Siemens Scalance or Moxa, are designed to operate in extreme temperatures, resist shock and vibration, and ensure continuous operation.

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This section provides an overview for industrial ethernet switches as well as their applications and principles. Also, please take a look at the list of 19 industrial ethernet switch manufacturers and their

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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The 12 best network switch vendors & alternatives for 2025

We list the 12 network switch vendors for 2025. Our list compares their features, performance, and price to help you pick the right option for your network. 1. Meter Network. Meter

Top Leading Companies in Industrial Ethernet Switch Market

The company is recognized for its high-quality industrial Ethernet switches, which are known for their durability, reliability, and compatibility with mission-critical applications in diverse

What is the best brand for industrial switches?

The best brand for industrial switches will depend on specific requirements such as application, environmental conditions, budget, and required features. Cisco, Siemens, Hirschmann,

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

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Use this guide to compare rugged, unmanaged switches suitable for harsh industrial settings and CCTV deployments. ... Note: The table highlights five relevant options designed for rugged deployments,

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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

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

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