

Industrial Ethernet Switch Quotas



Summary of Content

Industrial Ethernet Switch supply is constrained by ASIC shortages and high demand, effectively creating de facto quotas in production and allocation.

Market Overview and Supply Constraints

The Industrial Ethernet Switch (IES) market is experiencing rapid growth, with global market size projected to increase from USD 3.5–3.8 billion in 2025 to USD 6–7.1 billion by 2031–2034, growing at a CAGR of 6–8% . This growth is driven by Industry 4.0 adoption, smart factories, edge computing, and high-speed networking requirements. Demand for managed Layer 3 switches, 10 Gigabit Ethernet, and switches with more than 48 ports is particularly strong . However, supply constraints are impacting availability. Mature-node ASIC shortages and extended lead times are limiting production capacity, creating a situation where manufacturers must prioritize orders and allocate switches strategically across regions and industries . This effectively functions as a quota system, where high-demand sectors like automotive, semiconductor, and smart manufacturing may receive priority.

Regional and Industry Implications

- Asia-Pacific: Rapid industrialization and smart factory adoption in China, India, and Japan are driving strong demand, often exceeding local production capacity .
- North America and Europe: High automation and Industry 4.0 initiatives increase demand for high-performance switches, with cybersecurity compliance (IEC 62443, NIS2) influencing allocation toward Layer 3 managed switches .
- Emerging markets (LAMEA): Industrial modernization and energy projects are increasing demand, but supply limitations may restrict immediate availability .

Article Content

Industrial Ethernet Market Size, Share | Industry Report, 2033

Industrial Ethernet Market Summary The global industrial ethernet market size was estimated at USD 12.30 billion in 2024 and is

Global Industrial Ethernet Switch Market 2025 – 2034

Overview The market of the Industrial Ethernet Switch is rapidly changing with the industries embracing high-speed,

EDS-2008-EL Series

Introduction The EDS-2008-EL series of industrial Ethernet switches have up to eight 10/100M copper ports, which are ideal for

Industrial Ethernet Switch Market

The Global Industrial Ethernet Switch Market dynamics are thoroughly studied and explained in the report, which

Global Industrial Ethernet Switches Market Size, Share & Industry ...

The Industrial Ethernet Switches Market encompasses a specialized segment within industrial networking that

Industrial Switches

5-Port Industrial Fast Ethernet DIN-Rail Switch TI-E50 (Version V2) MORE INFO FIND RETAILERS Add to

Why industrial ethernet switches? Putting the “purpose” in purpose ...

Industrial Ethernet switches bring high-speed connectivity outside traditional office buildings, factories, ports and

Industrial Ethernet Switch Market Size, Growth | Report [2026-2035]

The surge in industrial automation, fueled by the Industrial Internet of Things (IIoT), is driving the market for industrial

Industrial Ethernet Switches | Phoenix Contact

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

Industrial Ethernet Switches

Advantech's industrial Ethernet switch solutions provide an abundance of options, including Gigabit

Global Industrial Ethernet Switch Market 2025 – 2034

The Global Industrial Ethernet Switch Market size was valued at \$3.5 Billion in 2025 and it will grow \$7.1 Billion at a

Industrial Ethernet Switches

Westermo industrial Ethernet switches are designed to deliver reliable and secure communication in harsh and demanding

Industrial Ethernet Switches | WAGO

Industrial Switches WAGO's switch portfolio provides scalable Ethernet network infrastructure with excellent electrical and

EDS-208A Series

The EDS-208A Series 8-port industrial Ethernet switches support IEEE 802.3 and IEEE 802.3u/x with 10/100M full/half-duplex,

Industrial Ethernet Switches Market Research Report 2034

Industrial ethernet switches range from approximately \$500 to \$5,000 per unit for unmanaged switches and \$2,000 to

Industrial Ethernet Switch Market Size & Share Analysis

The Industrial Ethernet Switch Market worth USD 3.80 billion in 2026 is growing at a CAGR of 8% to reach USD 6

Industrial Ethernet Switch Market Share and Forecast To 2035

Global Industrial Ethernet Switch market size is expected to reach \$4.52 billion by 2030 at 8%, segmented as by type, managed

Industrial Ethernet Switches Technical Documentation

Quickly access technical specifications, installation instructions, and manuals for Allen-Bradley Bulletin 1783 Stratix industrial

Industrial Switch: Understanding Industrial Ethernet Switch ...

An industrial Ethernet switch is a type of network switch designed to operate in harsh industrial environments. Oil rigs, railways,

SCALANCE

SCALANCE offers a comprehensive portfolio of industrial communication solutions. Find the perfect

EDS-408A Series

The EDS-408A Series is designed especially for industrial applications. The switches support a variety of useful management

Professional guide for selecting Industrial Ethernet Switch ports

September 26, 2024 Professional guide for selecting Industrial Ethernet Switch ports
In the deployment of IIoT, Industrial Ethernet

Industrial Ethernet Switches – Simple and effective

Our Ethernet switches are designed for use in industrial environments. They are robust, impact-resistant and temperature-resistant.

Breaking Down the Basics of Industrial Ethernet Switches

An industrial Ethernet switch is a network switch specifically designed for harsh

Industrial Ethernet Switches Market Research Report 2034

Industrial Ethernet Switches market valued at \$11.2 billion in 2025, projected to reach \$21.94 billion by 2034 at 7.8% CAGR.

FLEXtra SLIM SPE-Switch, unmanaged | Unmanaged Switches | Switches ...

FLEXtra SLIM SPE-Switch, unmanaged 4x SPE, 2x RJ45 The Helmholtz "FLEXtra SLIM SPE-Switch, unmanaged, 6-Port" is suitable

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