

Number of network ports on industrial switches



Overview

Industrial switches can range from 4 ports to as many as 48 ports or more, depending on the application. Device Count: In industrial settings, you may need to connect several devices such as programmable logic controllers (PLCs), human-machine interfaces (HMIs), cameras . The number of ports on an industrial PoE ethernet switch depends largely on the specific requirements of the application, the size of the network, and the devices connected to it. For enterprises that need to build or optimize networking applications, it is crucial to choose the port. Industrial networks power everything from robotics and security systems to SCADA platforms and IoT devices. Smaller 4-port and 8-port models are perfect for compact industrial edge cabinets. High-density requirements like 24-port or 48-port signal a necessary shift away from DIN rail. This gives you the flexibility to build powerful and secure networks, even in harsh environments: copper and FO ports, as well as redundancy functions, enable the flexible networking of your systems and the easy segmentation of your industrial network. PoE+ Ethernet switch, 8 Ethernet ports in M12. This is what's possible when Cisco® Industrial Ethernet (IE) switches are deployed as part of an industrial network that brings Information Technology (IT) innovations, advanced capabilities and ease of management to Operational Technology (OT). One that also prepares you to capture new.



Article Content

May 28, 2026

Industrial Ethernet Switches – Simple and effective

Networking of automation components in a simple and effective way Our Ethernet switches are designed for use in industrial

Mar 23, 2026

Managed + Unmanaged Switches | Industrial Communications

Ethernet Switches Advantech EKI managed and unmanaged industrial switches provide simplicity, flexibility and security for

Dec 06, 2025

How many ports should an industrial switch have?

How many ports should an industrial switch have? The number of ports on an industrial PoE ethernet switch depends

Sep 12, 2025

Industrial Ethernet Switches | Phoenix Contact

Industrial unmanaged switches from Phoenix Contact feature variable numbers of ports and a narrow design. We provide

Nov 19, 2025

10 Different Types of Network Switches used in LAN Ethernet Networks

They come with a fixed number of Ethernet ports (such as 8 Gigabit Ports, 16 ports, 24 ports, 48 ports etc). Fixed

Jan 28, 2026

Industrial Ethernet Switches

Unmanaged+ industrial Ethernet switches provide low-cost network connections with advanced Rapid Provisioning Technology

May 04, 2026

Professional guide for selecting Industrial Ethernet Switch ports

Through meticulous analysis and comparison, you will be able to find the most suitable Industrial Ethernet Switch port setting

Jan 19, 2026

Cisco Catalyst IE3300 Rugged Series switches

Boost efficiency and optimize processes with an industrial network built on the rock-solid reliability of Cisco Catalyst IE3300 Rugged

Feb 02, 2026

8 Steps to configure your network switch

So, before you add your switch to the network, you're going to want to set its revision number to zero. To easily reset the domain

Apr 26, 2026

Industrial Ethernet Switches

Adaptable and universal Switches are the basic coupling elements in Ethernet networks. They connect the Ethernet participants

Oct 26, 2025

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,

Feb 23, 2026

Industrial Ethernet Switches | Managed & Unmanaged 5 or 8 RJ45 ports ...

Industrial Ethernet Switches Active network components for industrial Ethernet systems In addition to Ethernet data cables, data

Nov 25, 2025

Get Further Understanding of Ethernet Switch Port Types

The switch ports number varies from different network switches and port type can be configured according to specific

Mar 10, 2026

16-Port Industrial Ethernet Switch | WAGO

WAGO's 16-Port Industrial Switch meets the "Energy Efficient Ethernet" standard. Per the IEEE-802.3az standard, the energy

May 05, 2026

Cisco Industrial PoE Switch Guide: 8, 16, 24 to 48 Ports

Cisco industrial switches should be selected by port count, PoE budget, uplink type, mounting style, and deployment

Jun 28, 2026

A Comprehensive Guide to Network Switches: Types, Ports,

What is a Network Switch? □□ A network switch is a hardware device that connects multiple devices (such as

Mar 24, 2026

The best network switch of 2025 | TechRadar

The Cisco CBS350-8MGP-2X remains the best network switch for most people, and we found during review that it

Jan 05, 2026

Industrial Switch Selection Guide: Applicable to Different Industrial ...

In the field of IIoT, industrial switches are key network devices that connect various industrial equipment, sensors, and control

Jul 17, 2026

Industrial Ethernet Switches

Cisco Industrial Ethernet switches Secure connectivity, purpose-built for modern operations Elevate your industrial operations with an

Dec 30, 2025

Network Switches

Cisco network switches deliver performance, flexibility, and security. Cisco switches are scalable and cost

Feb 28, 2026

SCALANCE

SCALANCE network components form the basis of communication networks in manufacturing and process automation. Specially

Apr 17, 2026

Industrial Ethernet Switches | Industrial Network Switch | Perle

Rugged Industrial Ethernet Switches with PoE, 5-10 ports, 10/100/1000Base-T and fiber support. Built to withstand -40°C to 75°C,

Mar 11, 2026

Selecting the Right Industrial Ethernet Network Switch for your

Ports: The number and type of ports vary with each model and brand of industrial Ethernet switches. Typically, in a

May 25, 2026

Managed switches products

Designed for ease of use, durability, and reliability Managed industrial Ethernet switches Take full

Oct 20, 2025

Cisco Industrial Ethernet Switching Portfolio Brochure

Designed to fit into a standard 19-inch rack, Cisco rack-mount switches offer several models with options for 1 Gigabit Ethernet,

Oct 24, 2025

Cisco Industrial Ethernet 1000 Series Switches Data Sheet

Features and benefits The Cisco IE 1000 Series Switches are designed for low cost, low ports, and small sizes. They

Dec 06, 2025

Types of Ports in Switches

A switch contains numerous ports where computers can be connected. Depending on the requirement, they are differentiated by

Jun 23, 2026

How to Select Industrial-Grade Switches Based on Port Count, PoE

Learn how to choose industrial-grade switches by port count, PoE budget and data speed for reliable and efficient industrial networking.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.greatpremiersolutions.co.za>

Email: sales@greatpremiersolutions.co.za

Phone: +27 82 914 3675

Address: Unit 5, Silicon Heights, 22 Electron Avenue, Cape Town, 8001, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

