

Industrial-grade switches with PoE



AI Overview

Industrial-grade PoE switches deliver both high-speed data and power to devices in harsh environments, supporting PoE, PoE+, and PoE++ standards with ruggedized designs and surge protection. Overview Industrial PoE switches combine data connectivity and power delivery over a single Ethernet cable, simplifying installation and reducing infrastructure costs. They are designed to operate reliably in harsh environments such as factories, transportation systems, and outdoor installations, often featuring IP-rated enclosures, extended temperature ranges, and surge protection.

PoE Standards and Power Output

- IEEE 802.3af (PoE): Up to 15.4 W per port
- IEEE 802.3at (PoE+): Up to 30 W per port
- IEEE 802.3bt (PoE++ / 4PPoE): Up to 90 W per port, suitable for high-power devices like PTZ cameras, industrial access points, and LED lighting

High-wattage PoE switches allow powering multiple devices simultaneously while maintaining high-speed data transmission.

Key Features

- Ruggedized Design:** Metal housings with IP30 or higher ratings, capable of withstanding dust, vibration, and temperature extremes
- Surge Protection:** Typically 4 kV per LAN port to protect against electrical spikes
- Management Options:** Unmanaged, smart-managed, and fully managed switches with support for industrial protocols like PROFINET, Modbus, and EtherNet/IP
- Network Redundancy:** Features such as ring topology, rapid spanning tree, and millisecond-level failover for uninterrupted operations
- Port Density and Uplinks:** Options range from compact 8-port switches to 64-port rackmount models, with 1G, multigigabit, or 10G uplinks for high-bandwidth applications

Vendor Examples

- Moxa:** Offers PoE/PoE+/PoE++ switches with up to 90 W per port, surge protection, and compliance with EN 50155, IEC 61850-3, and NEMA TS2 standards
- Cisco Industrial Ethernet:** Provides modular and compact switches with high-wattage PoE, advanced security, ultra-low jitter, and IP67-rated options for extreme environments
- Advantech:** Supplies PoE switches wit...

Article Content

Industrial Ethernet Switches

Built for diverse industrial applications, these switches feature all-gigabit, high-density, all-copper or mixed copper and fiber ports, PoE options, and resiliency protocols.

Industrial Gigabit Ethernet Switch DIN Rail 2 SC Fiber 4 Port PoE ...

The Industrial Gigabit 2 SC Fiber 4 Port PoE Switch is engineered for demanding industrial networking applications that require reliable power delivery and long-distance fiber communication.

Fiber Optic Network Switches

Our Ethernet network switches with fiber ports comes in managed or unmanaged formats combined with both Industrial and Commercial grades. Utilize our PoE switches to power your Ethernet devices

How to Choose a 100/1000 Fiber Optic Ethernet Switch

Compare industrial vs. commercial 100/1000 fiber switches by port count, SFP support, PoE++, ruggedization, and AI management—plus pricing and supplier insights for B2B buyers.

Switches-H3C

Products Data Center Switches Campus Network Switches AON Network Industrial Switches Data Center Switches Ultra-wideband, simple, and intelligent integration For intelligent ultra-wideband

Industrial-Grade POE Switch | industrial network switch

An industrial PoE switch is a network device specifically designed for harsh industrial environments. Its core function is to transmit both data and power

8-Port Managed Industrial Gigabit Ethernet Switch, PoE+, DIN

Managed 8-port Layer 2 PoE+ switch expands your Gigabit network in industrial environments, including security, utility and water/wastewater applications.

WAGO Expands Ethernet Lineup with Long-Reach, PoE, Cost-Saving ...

Burlington, Ont. – June 2026 – WAGO has expanded its industrial networking portfolio with three new additions to its proven 852 Series Ethernet Switch family. Designed to support the growing demands

Industrial PoE Switches & Solutions

Advantech's PoE products are easy to install and deliver reliable remote power to your devices, thus offering an industrial-grade or an outdoor poe switch with a

Industrial Ethernet Switches | WAGO

Industrial Switches WAGO's switch portfolio provides scalable Ethernet network infrastructure with excellent electrical and mechanical performance. These rugged devices are designed for industrial

Advantech Industrial Networking | In Stock & Ready to Ship | Impulse ...

Advantech Industrial Networking Browse Advantech industrial networking products for automation, transport, power, infrastructure and IIoT networks. Our range includes rugged Ethernet switches,

Industrial Ethernet Switches

Provides an overview of deploying PoE in an industrial environment, exploring how this sector can benefit from PoE technology and describing the PoE capabilities offered by Cisco

Industrial Network Switches Manufacturer | Wholesale,

Industrial Ethernet Switch Manufacturer & Partner You Can Trust We engineer and manufacture rugged, high-performance managed, unmanaged and PoE switches

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

Engineered for industries such as manufacturing, oil & gas, transportation, and smart infrastructure, this 8-Port Industrial Managed Ethernet PoE switch delivers consistent performance even in extreme

IP40 Industrial 4 Port PoE Switch Gigabit With SC Fiber Uplink

Industrial Switch Gigabit 4 Port PoE Switch with SC Fiber Uplink This Industrial 4-Port PoE Switch with SC Fiber Uplink combines high-speed Ethernet transmission with fiber optic connectivity for

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, shocks and vibration.

Network Switches

Our rack-mount industrial switches provide versatile connectivity with PoE, high-speed ports, stacking capabilities, and built-in security. These attributes make

Cisco Industrial Ethernet 4010 Series Switches Data Sheet

Cisco® Industrial Ethernet (IE) 4010 Series Switches with 28 Gigabit Ethernet interfaces are high-performance ruggedized, rack mount Layer2 and 3 switches with high-density Power-over

Cp Plus Cp Anw Gpm4f2t N12 Industrial Grade Gigabit Poe Switches

Noble Technology - Offering CP Plus CP-ANW-GPM4F2T-N12 INDUSTRIAL GRADE GIGABIT POE SWITCHES, CP Plus POE Switch at ₹ 12189 in Rajkot, Gujarat. Get contact number of verified

Best PoE Switches for IP Phones: Reliable Picks for Office and Small ...

Industrial-grade switches provide rugged reliability in challenging environments, such as manufacturing floors or outdoor enclosures. Security and PD detection: Look for PD detection and

Industrial Networking Products & Communication Solutions Expert

Industrial Ethernet Switches Our industrial network switches include Layer 3/2 managed/unmanaged, PoE, DIN-rail, and Industrial 10G switches, ensuring seamless connectivity and easy installation in

Ethernet Switches

Moxa provides a wide range of industrial Ethernet switches that feature industrial-grade reliability, network redundancy, strengthened security, easy management, and competitive price-to

L2+ Managed Industrial 8-Port 1000T 802.3at PoE + 4-Port 1G/2.5G

The UTP UF-MIS6408GP-2FBP is the highly reliable managed industrial Bypass PoE switch with 8-port 10/100/1000-T PoE, 4-port 1G/2.5GBase-X fiber SFP and 2 channels single LC Bypass or 1 channel

4 Port Managed Industrial-Grade PoE Switch With 2

Designed with industrial automation and surveillance applications in mind, this industrial PoE Ethernet switch delivers both power and high-speed data through

Contact Us

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

Website: <https://www.umele-pestovani.eu>

Email: info@umele-pestovani.eu

Phone: +49 152 287 6349

Address: Neue Mainzer Straße 66-68, 60311 Frankfurt am Main, Germany

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

