

Industrial-grade 100Mbps Ethernet Switches



AI Overview

Industrial 100Mbps Ethernet switches are rugged, DIN-rail mountable devices designed for reliable networking in harsh environments, supporting wide temperature ranges, surge protection, and plug-and-play operation.

Key Features

Rugged Design: Industrial switches are built with metal or high-strength aluminum housings to withstand vibration, shock, and extreme temperatures, typically ranging from -40°C to 75°C or higher (STEAMEMO, Eaton, MokerLink, USR).

DIN-Rail Mounting: Most industrial switches support DIN-rail installation for compact and secure mounting in control cabinets or field enclosures (STEAMEMO, Eaton, MokerLink, USR).

Port Options: Common configurations include 5-port and 8-port switches with 10/100Mbps RJ45 ports. Some models include uplink ports or SFP slots for fiber connectivity (AOA Tech DES1005, MokerLink 5-port, USR-SDR050-L).

Power Redundancy and Protection: Many switches feature dual or triple power inputs with reverse polarity and overcurrent protection, ensuring continuous operation even if one power source fails (STEAMEMO, MokerLink, Eaton).

Surge and ESD Protection: Industrial switches often include surge protection for power and network ports (up to 6kV for power and 8kV/15kV for Ethernet), safeguarding equipment in electrically noisy environments (MokerLink, AOA Tech).

Plug-and-Play Operation: Unmanaged switches provide automatic MDI/MDIX crossover, auto-negotiation, and MAC address learning, requiring minimal configuration (Eaton NFI-U08-2, USR-SDR050-L).

Compliance and Standards: Many switches comply with IEEE 802.3/802.3u standards, CE/FCC/RoHS certifications, and industrial standards like IEC 61850, IEC 62443, and NEMA TS2 for reliability in critical infrastructure (Phoenix Contact, Moxa, Perle).

PoE Support: Some models provide Power over Ethernet (PoE) to power devices like cameras, sensors,...

Article Content

SW-105 Embedded Industrial 5 Port 10/100 Ethernet

Galvanically Isolated Ethernet brainboxes SW-105 front panel ethernet port status leds capable of 10/100 Mbps. Industrial temperature range of -40°C to +80°C (

Industrial Ethernet Switches with 8/16/24 Ports for

FS Industrial Ethernet Switches with robust design for harsh industrial and outdoor environments subject to vibrations, shocks and extreme temperature fluctuations

5-Port Industrial Ethernet Switch, EIP QoS, 10/100

Industrial-grade switch expands Ethernet connectivity to factory floors and other environments with space constraints and wide temperature ranges. This space

Mini Industrial 5-Port Gigabit Ethernet Switch Review

It also pairs well with compact, high-performance mini PCs like the fanless Intel-based units with dual Ethernet for robust connectivity. Compact Hardened Design Because it packs

CM6000-16F8T-GN Layer 2 Rack-mount Managed Switch

CM6000-16F8T-GN is a managed self-developed controllable industrial-grade Ethernet switch. It provides 16 100Mbps SFP ports and 8 100Mbps RJ45 ports, adopting fanless, low-power, industrial

Pixhawk V6X V2 Intelligent Controller

Pixhawk V6X V2, a brand-new upgraded masterpiece developed through our in-depth collaboration with PX4, inherits Pixhawk FMU v6x standard and modular

Layer 2 Managed Switches

Moxa's Layer 2 managed switches feature industrial-grade reliability, network redundancy, and security features based on the IEC 62443 standard.

AMG570 Industrial Managed PoE Ethernet Network Switch

The AMG570 Series of Industrial Managed switches support 100Mb, 1Gb or 10Gb Ethernet, with port counts from 4-52, and with optional 30W, 60 or 90W PoE

How to Choose a 5-Port Fast Industrial Ethernet Switch

Compare rugged 5-port fast Ethernet switches (10/100 Mbps) for extreme temps, DIN-rail mounting, redundant power, and ESG compliance—plus verified suppliers and specs.

Black Box Industrial Ethernet Extender

Black Box Industrial Ethernet Extender - 10/100, 1-Port Black Box 10BASE-T/100BASE-TX Ethernet Extenders use vDSL to provide an easy, inexpensive way to extend the reach of your Ethernet

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.

PUSR Switch Ethernet 5/8 ports 100/1000 Mbps Gigabit RJ45 IP40

PUSR 5/8 Port Ethernet Switch 100/1000Mbps Gigabit RJ45 IP40 — VoIP en RedVozTelecom. Soporte en español y precios para Costa Rica y Latinoamérica.

Best DIN Rail Mount Ethernet Switches for Industrial Networking

MODEL OVERVIEW: The TI-E50 is a compact, 5-port industrial switch designed for DIN rail mounting with Fast Ethernet (10/100 Mbps) ports. It incorporates a 4-pin removable terminal block for power

Industrial Ethernet Switches - Einfach und effektiv

Unsere Ethernet-Switches sind für den Einsatz in industriellen Umgebungen konzipiert. Sie sind robust, stoßfest und temperaturbeständig. Alle Produkte

Industrial Ethernet Switches | Phoenix Contact

Our Industrial Ethernet Switch portfolio comprises Managed and Unmanaged Switches with Gigabit, PoE, IEC 61850 certification, and for DIN rail mounting.

Mini Industrial 5-Port Gigabit Ethernet Switch Review

Uncover whether this compact, rugged 5-port gigabit switch delivers reliable edge performance—or if its tradeoffs will cost your deployment.

Industrial Ethernet Switches | Phoenix Contact

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

PUSR 5/8 Port Ethernet Switch 100/1000Mbps Gigabit RJ45 IP40

PUSR 5/8 Port Ethernet Switch 100/1000Mbps Gigabit RJ45 IP40 — VoIP en RedVozTelecom. Soporte en español y precios para Costa Rica y Latinoamérica.

Industrial Switch 5 Ports Gigabit Rail DIN

Industrial Ethernet Switch 5 Ports Gigabit for DIN Rail Mounting. - 5 RJ45 ports 10/100/1000 Mbps - Non-manageable, plug and play operation - Power supply 5-36 VDC - Surge protection and reverse

5-Port Industrial Ethernet Switch, 10/100 Mbps, DIN Mountable | Eaton

Industrial-grade switch expands Ethernet connectivity to factory floors and other environments with space constraints and wide temperature ranges. This space-saving switch transmits data over an

The Ultimate Guide to Network Switches for Smart Manufacturing ...

Executive Summary: The Convergence of OT and IT in Industry 4.0 Smart manufacturing automation demands deterministic latency, jitter-free communication, and zero-downtime availability. Legacy

180km~200km 100Mbps SFP Optical Transceiver with 1550nm DFB

C-LIGHT 180km~200km 100Mbps SFP optical transceivers feature 1550nm DFB laser, APD receiver, and high optical budget for long-distance industrial Ethernet, power, railway, and

MokerLink 5 Port 100Mbps Industrial DIN-Rail Ethernet

1x 100Mbps uplink port + 4x 100Mbps downlink ports Industrial Ethernet switch, supporting 1x 10 / 100Base TX uplink port and 4x 10 / 100Base TX downlink

Contact Us

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