

Eight-Optics Eight-Electrical Industrial-Grade Switches



AI Overview

Industrial-grade switches with 8 optical and 8 electrical ports provide robust, high-speed Ethernet connectivity for harsh environments, supporting both fiber and copper connections with wide temperature tolerance and industrial certifications. Key Features

Port Configuration: These switches typically feature 8 Gigabit FX optical ports and 8 Gigabit electrical (RJ45) ports, allowing simultaneous fiber and copper connectivity for flexible network design and long-distance data transmission (Qianlue, HCH) .

Data Rates and Standards: They support 10/100/1000 Mbps electrical connections and 1000Base-X optical connections, with full-duplex or half-duplex operation and automatic negotiation for seamless integration into existing networks .

Environmental Tolerance: Designed for industrial applications, these switches operate in wide temperature ranges (typically -40°C to 85°C for QLD82G-SFP and -30°C to 75°C for HCH models), with ruggedized housings resistant to vibration, shock, and electrostatic surges .

Protection and Reliability: Many models include IP40-rated housings, dual power supply redundancy, and lightning surge protection, ensuring continuous operation in harsh industrial environments . Mean time between failures (MTBF) can exceed 300,000 hours, and some models offer 5-year warranties .

Plug-and-Play and Management: Unmanaged versions provide automatic MAC address learning, auto-aging, and MDI/MDI-X crossover detection, enabling simple plug-and-play deployment. Managed or semi-managed variants may support VLAN, QoS, SNMP, RSTP, MSTP, and port trunking for advanced network control .

Mounting and Installation: Compact designs allow DIN rail or wall mounting, making them suitable for control boxes and space-constrained industrial setups . LED indicators provide real-time status of power and port activity.

Applications: These switches are ideal fo...

Article Content

8-Port Unmanaged Desktop Ethernet Switch, PoE+, 60W, Metal

Heavy-duty metal unmanaged switch with 8 auto-negotiable RJ45 Power over Ethernet (PoE) ports provides Ethernet network connections for your small office.

Gigabit 2 Optical Port 8 Electrical Port Industrial Ethernet Switch (GL ...

Gigabit 2 Optical Port 8 Electrical Port Industrial Ethernet Switch (GL-7028G Series)
Use high-quality photoelectric integrated modules to provide good optical and electrical characteristics Ensure reliable

Industrial Ethernet Switches

Manufacturer of Industrial Ethernet Switches - PHOENIX CONTACT 8 Port Industrial Ethernet Switches, PHOENIX CONTACT Unmanaged Ethernet Switches offered

English Electric 8Switch Audio Grade 8 Port Streaming Switch

So English Electric have produced this the 8Switch and a larger 16Switch the first of what we hope will be many digital upgrades from the new arm of the Chord Company, English Electric. Eight audio

8-Port Managed Industrial Gigabit Ethernet Switch | Eaton

Expand your Gigabit Ethernet network into harsh environments, such as mines and construction sites, with this 8-port Lite Managed PoE switch with IP30 casing.

Industrial 8 Ports Gigabit Ethernet Switch Fiber Switch ...

Overview This is an unmanaged industrial network switch with 8 ports 10/100/1000Base-TX RJ45 and 2 ports 100/1000Base-X SFP. The 100/1000Base-X SFP supports 1 or 2 core Single-mode or Multi

8 Port Managed Industrial PoE Switch With 2 Giga SFP

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

2 Optical 8 Electrical Gigabit Industrial Ethernet Switch

BL168G is an industrial Ethernet switch with 8 Gigabit ports (10/100/1000 Mbps) and 2 Gigabit fiber ports (1000Base-X). Designed for harsh environments, it operates from -40°C to +75°C, featuring an IP40

AXIS D8208-R Industrial PoE++ Switch

Managed, 8-port industrial PoE++ switch AXIS D8208-R ensures easy configuration with Axis products. The unique web graphic user interface offers a graphic topology for easy overview of all devices in

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.

10 port managed Ethernet to multimode fiber optic switch, EL1000

The EL-1000-4GM is a 10-port managed Industrial Ethernet Layer 2 switches. Compact Ethernet switch with 2 fiber optic and 8 RJ45 ports which support PROFINET.

Complete Guide to OSFP Transceiver: 400G/800G/1.6T

The OSFP standard creates a high-speed optical transceiver form factor that enables data transmission at 400G, 800G, and 1.6T speeds. The system operates through eight electrical

Gigabit 2 Optical Port 8 Electrical Port Industrial Ethernet Switch (GL ...

8 Gigabit electrical ports + 2 Gigabit FX optical ports industrial Ethernet switch, supporting 8 100Base-T/1000Base-TX electrical ports and 2 1000Base-X optical ports. Products comply with FCC, CE,

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. This gives you the flexibility to build powerful

unmanaged 1000mbps industrial grade switches+supplier, HCH

Unmanaged 1000mbps industrial grade switch supports 8x10/100/1000Base-T electrical ports and 8x1000Base-X optical ports. The product complies with FCC and CE standards and has added

Gigabit 8-Port Industrial Ethernet Switch (GL-7008G)

The installation characteristics of the guide rail, wide temperature operation, IP40 protection grade shell and LED indicator, make GL-7008G a plug-and-play industrial-grade equipment, providing a reliable

8-Port Industrial Gigabit PoE+ DIN-Rail Switch (24 - 56V)

TRENDnet's 8-Port Industrial Gigabit PoE+ DIN-Rail Switch is an industrial variable voltage switch that provides PoE+ devices with high-speed connectivity to your

8 Ports PoE Full Gigabit Industrial Ethernet Switch

It offers robust security, seamless ring networks, effective QoS, and VLAN functions. Designed for simplified management, it suits diverse industrial needs, excelling

Gigabit 8 optical 2 electrical industrial grade Ethernet switch

Compliant with FCC, CE, and ROHS standards, this switch operates in temperatures from -40°C to 85°C, ensuring robust performance in harsh environments. Its compact design allows for easy

8-Port Managed Industrial Gigabit Ethernet Switch, PoE+, 4x SFP

Managed 8-port Layer 2 PoE+ switch with 4 SFP slots expands your Gigabit network in industrial environments, including mines, military bases and oil/gas sites.

Contact Us

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