

3-port industrial-grade switch



Overview

IGP-0310 3-Port Industrial Gigabit PoE PSE/PD Switch, As an industrial-grade PSE/PD switch, it helps reduce wiring costs by eliminating separate power cabl.

Key Takeaways

Industrial 3-port Ethernet switches provide rugged, reliable connectivity with RJ45 and SFP ports, suitable for harsh environments and industrial applications.

Key Features

Ports and Connectivity: Most 3-port industrial switches include 3 RJ45 copper ports (10/100/1000 Mbps) and 1 SFP fiber port supporting 100Base-FX or 1000Base-X with auto-detection, enabling hybrid copper-to-fiber networks for extended reach and noise immunity. Auto MDI/MDIX and full/half-duplex support simplify deployment without crossover cables. **Power and Voltage:** These switches typically support wide DC input ranges (12–48V), with some models offering redundant power inputs and PoE capabilities (IEEE 802.

3af/at) to power connected devices like IP cameras or access points. **Environmental Tolerance:** Designed for industrial use, they operate in extreme temperatures from -40°C to +75°C or higher, with IP30-IP40-rated aluminum or metal enclosures for EMI protection and durability. Fanless designs reduce maintenance and improve reliability.



Mounting Options: Compact form factors allow DIN-rail or wall mounting, making them suitable for space-constrained installations in factories, transportation systems, or utility monitoring points. **Performance and Standards:** These switches offer store-and-forward processing, switching capacities around 8–16 Gbps, and support IEEE 802.3az Energy Efficient Ethernet to reduce power consumption.

Some models include QoS, jumbo frame support, and industrial-grade chipsets for stable, low-latency performance.

Use Cases

Industrial Automation: Connecting PLCs, sensors, and machine-level networks.

Remote Surveillance: Fiber uplinks for IP cameras in outdoor or harsh environments.

Transportation Infrastructure: Traffic monitoring, vehicle detection, and roadside equipment.

Building Automation: HVAC, access control, and distributed control networks. **Mobile or Temporary Deployments:** Battery-powered or solar-powered network setups.

Recommended Models LNK-IMC103G-SFP: 3-port Gigabit RJ45 + 1 SFP, IP40, -40°C to 75°C, DIN-rail/wall mount, energy-efficient, unmanaged.

Steloproad Mini Industrial PoE

E Switch: 3-port Gigabit PoE + 1 SFP, 12–48V DC, PoE budget up to 90W, IP40, -40°C to 80°C, DIN-rail/wall mount.

In

Hand ISE2003D: 2 RJ45 + 1 fiber port, unmanaged, IP30, -40°C to 75°C, UL/CE/FCC certified, plug-and-play. These switches are ideal for space-constrained, harsh industrial environments where reliable, high-speed connectivity is required, with options for PoE and fiber uplinks to extend network reach and support critical industrial applications.

Article Content

IGP-0310 3-Port Industrial Gigabit PoE PSE/PD Switch,

As an industrial-grade PSE/PD switch, it helps reduce wiring costs by eliminating separate power cabling and minimizing the need for additional UPS outlets. The

Ethernet Switches

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

Industrial Ethernet Switches

Built for space-constrained locations and machine integrations, these compact and secure switches offer full GE ports, flexible port configurations, high-wattage PoE

Industrial Ethernet Switches

Advantech's managed Ethernet switches allow users to expand their industrial network quickly and efficiently, while their rugged industrial-grade design assures

Industrial 3 Port PoE Switch 1SFP+3RJ45 | e-link

This ultra-compact switch is equipped with 3 IEEE 802.3at PoE+ ports to power a small cluster of critical devices, alongside a versatile

Durable Industrial Switches

With their strong build, the whole family of DIS industrial switches are certified against vibration, shock and free-fall. We're so confident in the quality of their hardened build that they come with our D-Link

Industrial Switches

Future-proof industrial switches are designed to meet the stringent requirements of reliable high-performance in harsh environments.

Layer 3 Managed Switches

Moxa's Layer 3 managed switches feature industrial-grade reliability, multicast availability, and security enhancements based on the IEC 62443 standard.

Industrial Switches (ISW) | Extreme Networks

Extreme Industrial Switches are a family of ruggedized Layer 2 switches designed to operate under harsh environments and extended temperature conditions. They provide continuous uptime,

Industrial Ethernet Switches

Modernize your operations with Cisco Industrial Ethernet switches: Increase productivity, boost security, and empower industrial AI.

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

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3 Port Hardened Industrial Gigabit Din Rail

This is an industrial-grade Gigabit Ethernet Switch, featuring 3 10/100/1000BASE-T copper ports and one 100/1000BASE-X SFP fiber port and packed in an IP40

24 PORT INDUSTRIAL-GRADE Layer 3 SWITCH WITH 4 SFP+

Comxus 24 Port industrial switch is a layer 3 managed industrial-grade switch, which can help you in routing your network in rugged environment.

3-Port Gigabit Ethernet Switch with 1 SFP | Industrial

compact industrial-grade Gigabit Ethernet switch with 3x RJ45 ports and 1x SFP. factory automation, surveillance, and smart industrial networks.

H3C IE4300 Series Industrial Switches

H3C Industrial Ethernet 4300 series switches are H3C's latest industrial Ethernet switches designed for rugged environment and wide operating temperature. H3C IE4300 series industrial switches adhere

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