

Industrial-grade switch with 4 optical and 4 electrical components



Article Overview

Industrial 4+4 Ethernet switches provide robust, high-speed connectivity with 4 electrical RJ45 ports and 4 optical SFP ports, designed for harsh industrial environments.

Key Features

Port Configuration: These switches typically offer 4x10/100/1000Base-T RJ45 electrical ports and 4x1000Base-X optical SFP ports, allowing flexible integration of copper and fiber connections for industrial networks . **Industrial Durability:** They are built to withstand extreme conditions, with operating temperature ranges from -30°C to 75°C or -40°C to 75°C, shock and vibration resistance, and protection against dust, water, lightning, and electrostatic surges . **Protocols and Compatibility:** Many models support multiple industrial protocols such as Modbus TCP/IP, PROFINET, and EtherNet/IP, and comply with IEEE 802.3, 802.3u, and 802.3ab standards . **Management Options:** Switches are available in unmanaged or managed versions. Managed switches provide features like VLAN, load balancing, loop detection, and remote monitoring, while unmanaged switches offer plug-and-play simplicity . **Power and Mounting:** Some models include PoE+ support for powering connected devices and DIN-rail mounting for easy installation in control cabinets . **Performance:** These switches support full-duplex 1000 Mbps transmission, ensuring high-speed, reliable communication over both copper and fiber links. Fiber ports allow long-distance connections, often exceeding 1 km depending on the fiber type . **Examples of Products:...**

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Gigabit Connectivity for harsh Industrial Environments The 4-Port Gigabit Ethernet Industrial Switch with 2 SFP Ports from Intellinet

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Ethernet Switches

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