

What are some industrial communication network switches

Overview

Industrial network switches connect automation equipment, controllers, and other such devices. These seemingly independent industrial devices are, in fact, tightly connected through an invisible "network," with the industrial switch serving as the core hub of this network. This gives you the flexibility to build powerful and secure networks, even in harsh environments: copper and FO ports, as well as redundancy functions, enable the flexible networking of your systems and the easy segmentation of your industrial network. Take a look at our previous articles to learn what control engineers need to know. In industrial environments such as factories, oil & gas facilities, transportation systems, utilities and outdoor installations network switches must endure harsh conditions like extreme temperatures, vibration, dust, humidity, electromagnetic interference and sometimes volatile atmospheres.



Article Content

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From manufacturing plants to transportation hubs and utility infrastructures, our range of industrial Ethernet switches delivers seamless communication across devices, control systems, and ...

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Industrial Network Switches

Our network switches provide a high level of immunity against EMI and EMS found in industrial environments; and include features such as ESD Protection, Surge Protection, and Short Circuit ...

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Industrial Ethernet Switches

Workhorses for a broad spectrum of industrial needs, these modular switches feature high-wattage PoE options, high-speed 10-GE uplinks, and advanced network security capabilities.

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What is an industrial switch? And what are the differences between it ...

An industrial switch is a network communication device specifically designed for industrial environments, facilitating efficient and reliable data transmission between devices in industrial ...

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Introduction to Network Switches for Industrial Applications

Network Switch FeaturesSwitches vs RoutersSwitches vs HubsIndustrial SwitchesThe Switches of The FutureWhile most of this article explains switches in terms of the home office, switches also have their uses in the manufacturing environment. Industrial switches are often ruggedized, meaning they have additional protections, such as ingress protection from dust, water spray, and other contaminants, as well as shock absorbers to limit vibration and oth...See more on control comxus

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Industrial network switches connect automation equipment, controllers, and other such devices. Learn about unmanaged, managed, and PoE enabled switches, as well as the differences ...

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