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DIN Rail Industrial Network Switch

Description

The DIN Rail Industrial Network Switch is a rugged, high-performance Ethernet switch designed for harsh industrial environments. Available in multiple models with 5–8 electrical ports or combinations of fiber and Ethernet ports, it supports 100Mbps and 1Gbps speeds, managed or unmanaged operation, and optional PoE. Features include wide operating temperature (-40°C to 85°C), 6000V surge protection, dual redundant DC12V–57V power input, fanless cooling, aluminum alloy housing with IP40 protection, and industrial-grade reliability exceeding 300,000 hours.

Products Features

- **Rugged Industrial Design**

Built for harsh environments, this DIN Rail Network Switch features a durable aluminum alloy enclosure with IP40 protection. It operates reliably in extreme temperatures from -40°C to 85°C, ensuring stable performance in factories, power stations, transportation systems, and other demanding industrial applications.

- **Flexible Port and Transmission Options**

Available in multiple configurations, including 5–8 electrical ports and combinations of fiber and Ethernet ports (1–2 fiber with 4–8 electrical ports), the switch supports both 100Mbps and 1Gbps speeds. Optional PoE functionality provides power to connected devices like IP cameras and wireless APs, while managed or unmanaged versions allow for network control flexibility.

- **Reliable Power and Energy Efficiency**

Dual redundant DC12V–57V power inputs with reverse polarity and overcurrent protection ensure uninterrupted operation. The fanless design with low-power CPU reduces energy consumption, making it a green and cost-efficient solution.

- **Industrial-Grade Protection and Certification**

Equipped with 6000V lightning and surge protection, the switch meets industrial-grade reliability standards with a mean time between failures exceeding 300,000 hours. It is certified by CE, FCC, RoHS, ISO9001, and MPS security inspections, guaranteeing quality and safety.



Application

- **Industrial Automation Systems**

The DIN Rail Network Switch provides stable and high-speed data transmission for industrial automation equipment. Its rugged design ensures reliable operation in factories, production lines, and manufacturing plants, supporting real-time monitoring, control systems, and industrial IoT applications.

- **Smart Manufacturing & Factory Networking**

With flexible port configurations and optional PoE support, it connects sensors, controllers, and smart devices efficiently. Managed versions allow centralized monitoring and control, enhancing factory automation, production efficiency, and network scalability.

- **Security and Surveillance Systems**

The switch supports high-speed Ethernet and PoE for IP cameras, NVRs, and access control devices. Its wide temperature tolerance and surge protection ensure continuous operation in security-critical environments such as industrial facilities, transportation hubs, and smart cities.

- **Transportation and Intelligent Traffic Systems**

Designed to withstand harsh conditions, it is ideal for traffic monitoring, railway signaling, and intelligent transport applications. Its reliable performance ensures uninterrupted communication between control centers and field devices.



- **Energy, Power, and Utility Networks**
The switch is suitable for substations, power plants, and renewable energy installations. Dual redundant power inputs, fanless design, and industrial-grade durability make it a dependable solution for mission-critical energy and utility networks.

Main Technical Specification

Specification	5 Electrical Ports	8 Electrical Ports	2 Fiber 4 Ethernet	2 Fiber 6 Ethernet	1 Fiber 8 Ethernet	2 Fiber 8 Ethernet
Photos						
Fiber Type	N/A	N/A	Single-mode	Single-mode	Single-mode	Single-mode
Ethernet Ports	5	8	4	6	8	8
Fiber Ports	0	0	2	2	1	2
Mechanical dimensions (L x W x H)	116 x 88 x 34	144x105x48	144x105x48	144x105x48	144x105x48	144x105x48
Transmission Speed	100Mbps / 1Gbps					
PoE Support	Optional (Depends on Model)					
Management	Managed / Unmanaged					
Operating Temperature	-40°C ~ 85°C					
Surge Protection	6000V Lightning & Surge Protection					
Power Supply	Dual Redundant DC12V-57V					
Cooling Method	Fanless, Low Power CPU, Energy Saving					
Protection Features	Reverse Polarity, Overcurrent Protection					
Housing & Protection	Aluminum Alloy, IP40					
Certifications	CE, FCC, RoHS, ISO9001, MPS Security Inspection					

Ordering Information

Model No.	Description	Remark
DIN Rail Industrial Network Switch	☐ Fiber count ☐ Model ☐ Accessories	Contact our sales or technical dept for more information: Sales: sales@honelinks.com sherry@honelinks.com Technical: tony@honelinks.com



