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Managed Industrial Network Switch

Description

The Managed Industrial Network Switch delivers reliable Ethernet connectivity for harsh environments. Available in 4-fiber 8/16/24 Ethernet and 8-fiber 8 Ethernet configurations, it supports 10/100/1000 Mbps transmission, VLAN, SNMP, and optional PoE. Designed for factory automation and outdoor networks, it features -40°C~85°C operation, IP40 protection, dual DC power input, and 6000V surge resistance to ensure stable, long-term industrial communication.

Products Features

- **Rugged Industrial Design**
Built for demanding environments, this Managed Industrial Network Switch features a durable aluminum alloy DIN rail enclosure with IP40 protection. It operates reliably in extreme temperatures from -40°C to 85°C, ensuring stable performance in factories, transportation systems, power stations, and other harsh industrial applications.
- **Flexible Port Configurations and Transmission Options**
Available in multiple models, including 4-fiber 8/16/24 Ethernet, 8-fiber 8 Ethernet, and 16 electrical ports, the switch supports 10/100/1000 Mbps speeds. Optional PoE provides power to connected devices such as IP cameras and wireless APs. Managed and unmanaged versions offer flexible network control to suit different industrial network needs.
- **Reliable Power Supply and Energy Efficiency**
Dual redundant DC12V~57V power inputs with reverse polarity and overcurrent protection ensure continuous operation. The fanless design with a low-power CPU reduces energy consumption, providing a cost-efficient, environmentally friendly solution.
- **Industrial-Grade Protection and Certification**
Equipped with 6000V lightning and surge protection, this switch guarantees industrial-grade reliability with an MTBF exceeding 300,000 hours. It is certified with CE, FCC, RoHS, ISO9001, and MPS security inspection approvals, ensuring quality, safety, and long-term stability.








Application

- **Industrial Automation Systems**
The Managed Industrial Network Switch delivers stable, high-speed data transmission for industrial automation equipment. Its rugged DIN rail 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 efficiently connects sensors, controllers, and smart devices. Managed versions provide centralized monitoring and control, enhancing production efficiency, automation, and network scalability in smart factories.
- **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**
Engineered for harsh conditions, it is ideal for traffic monitoring, railway signaling, and intelligent transportation applications. Its reliable performance guarantees uninterrupted communication between control centers and field devices.
- **Energy, Power, and Utility Networks**
Suitable for substations, power plants, and renewable energy installations, the switch features dual redundant power inputs, fanless cooling, and industrial-grade durability, providing a dependable solution for mission-critical energy and utility networks.



Main Technical Specification

Specification	4 Fiber 8 Ethernet	4 Fiber 16 Ethernet	4 Fiber 24 Ethernet	8 Fiber 8 Ethernet	16 Ethernet
Products Photos					
Transmission Speed	10/100/1000 Mbps (Fast or Gigabit optional)				
Switching Capacity	24 Gbps	56 Gbps	88 Gbps	32 Gbps	32 Gbps
Forwarding Rate	17.8 Mpps	41.7 Mpps	65.4 Mpps	23.8 Mpps	23.8 Mpps
Fiber Ports	4 × SFP slots	4 × SFP slots	4 × SFP slots	8 × SFP slots	—
Ethernet Ports	8 × RJ45 (10/100/1000M)	16 × RJ45 (10/100/1000M)	24 × RJ45 (10/100/1000M)	8 × RJ45 (10/100/1000M)	16 × RJ45 (10/100/1000M)
Mechanical dimensions	153x 112 x 54	68*140*80	168*140*80	153x 112 x 54	153x 112 x 54
PoE Function (Optional)	IEEE 802.3af/at, Max 30W per port				
Network Management	Web, CLI, SNMP, Telnet, VLAN, QoS, STP/RSTP, IGMP Snooping				
Power Supply	Dual DC 12–57V redundant input				
Power Consumption	≤12W	≤18W	≤25W	≤15W	≤12W
Protection Level	6000V Lightning & Surge Protection, IP40 Rated				
Operating Temperature	-40°C ~ +85°C				
Installation	DIN-Rail or Wall-Mounted				
Cooling Method	Fanless Design, Low Power CPU, Energy Saving				
Enclosure Material	Aluminum Alloy, Industrial-grade Design				
MTBF	> 300,000 hours				



Specification	4 Fiber 8 Ethernet	4 Fiber 16 Ethernet	4 Fiber 24 Ethernet	8 Fiber 8 Ethernet	16 Ethernet
Certifications	CE, FCC, RoHS, ISO9001, Public Security Inspection Report				

Ordering Information

Model No.	Description	Remark
Managed Industrial Network Switch	<input type="checkbox"/> SFP Port <input type="checkbox"/> Ethernet Port <input type="checkbox"/> Accessories	Contact our sales or technical dept for more information: Sales: sales@honelinks.com sherry@honelinks.com Technical: tony@honelinks.com