28 Port 10/100/1000M Managed Industrial Ethernet Switch

OP-S2G2H24C-M-I

Shenzhen Optostar Optoelectronics Co., Ltd

2013. 10(Version 1)

Overview

This managed industrial Ethernet switch is designed to match the critical industrial standards. With reliable and simple operation against vibration and shock, and wide operation temperature range, it could match a variety of harsh environments.

The switch complies with CE, FCC and RoHS standards, and passed the 100% burning test to ensure that it will fulfill the needs of industrial applications. It is a good choice for an economical solution for industrial Ethernet connections.

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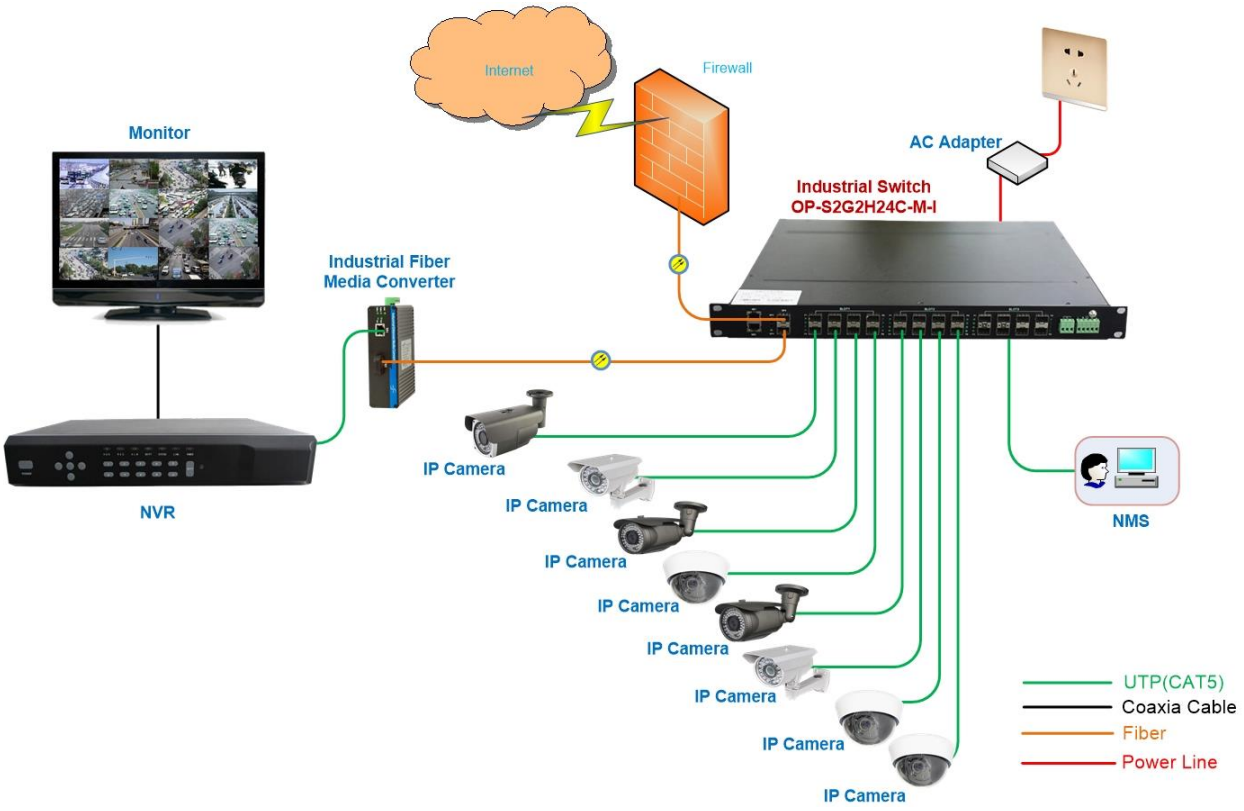
Features

- 2 1000Base-FX ports，2 10/100/1000Base-T(X) port, 24 combo 10/100Base-T/SFP ports, 1 Console Port
- “OP-Ring” (recovery time<20ms), RSTP/STP, and MSTP for network redundancy
- SNMPv3, ieee802.1X, HTTPS and SSH to enhance network security
- Port-based VLAN, IEEE802.1Q VLAN and GVRP to ease network planning
- DHCP Option 82 for IP address assignment with different policies
- Ethernet/IP and Modbus/TCP industrial Ethernet protocol supported
- Bandwidth management prevents unpredictable network status
- RMON for efficient network monitoring and proactive capability
- Lock port allows access by only authorized MAC addresses
- Port mirroring for online debugging
- Automatic warning by exception through email, relay output
- QoS and ToS/DiffServ for flow control and management
- IEEE 802.3ad, LACP for optimum bandwidth utilization
- Configurable by CLIfor advanced management function
- -40℃-85℃ operating temperature range

Application



Technical Indexes

Standard	IEEE 802. 3-1 0BaseT IEEE 802. 3u-1 00BaseTX, 1 00BaseFX IEEE 802. 3x-Flow Control IEEE 802. 3z-1 000BaseLX IEEE 802. 3ab-1 000BaseTX IEEE 802. 3ad-Link Aggregation IEEE 802. 1 D-MAC Bridges IEEE 802. 1 D-Spanning Tree Protocol IEEE 802. 1 p-Class of Service IEEE 802. 1 Q-VLAN Tagging IEEE 802. 1 w-Rapid Spanning Tree Protocol IEEE 802. 1 x-Port Based Network Access Control Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32 Vibration: IEC 60068-2-6 EMI: FCC CFR47 Part 15, EN55022/CISPR22, Class A Industry: I EC60068-2-6, I EC60068-2-27, I EC60068-2-32 Rail: EN50155, EN50121-4 Traffic: NEMA TS-2

EMS	EN61000-4-2 (ESD)，Level 3 EN61000-4-3 (RS)，Level 3 EN61000-4-4 (EFT)，Level 3 EN61000-4-5 (Surge)，Level 3 EN61000-4-6 (CS)，Level 3 EN61000-4-16(Common-mode Conduction)，Level 3
Copper Port	2*10/100/1000 Base-T(X) Full/Half duplex mode Auto MDI-MDI-X connection Up to 100M Cat-5 transmission distance
Console Port	RS-232(RJ45 connector) Alarm Contact: 1 replay outputs, supports IP/MAC conflict
Fiber Port	FX Port: 2*1000Base-X interface, 24 combo 10/100Base-T/SFP ports
Protocol	OP-Ring, IGMPv1/v2, GVRP, SNMPv1/v2c/v3, DHCP Client, TFTP, SMTP, RMON, HTTP, HTTPS, Telnet, Syslog, GVRP SSH, SNMP Inform, LLDP, SNTP Server/Client, PVLAN
MIB	MIB-II, Ethernet-Like MIB, P-BRIDGE MIB, Q-BRIDGE MIB, Bridge MIB, RSTP MIB, RMON MIB
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	Priority Queues: 4 Maximum No of Available VLANs: 256 VLAN ID: 1-4094 IGMP Groups: 256 MAC Table Size: 8K Packet Buffer Size: 1Mbit
Power	Input Voltage: 220V AC (110-240V AC)@2A, Redundant dual inputs Plug-In Terminals: 5 Cores 5. 08mmTerminals Overload Current Protection: Present Reverse Polarity Protection: Present Redundant Protection: Present Connection: 1 removable 6-pin terminal blocks
Environmental Limits	Operating Temperature: -40℃-85℃ Storage Temperature: -40℃-85℃ Ambient Relative Humidity: 5%-95% (non-condensing)
Warranty	5 years
Physical Characteristics	Housing: Aluminum Alloy material with IP40 Protection Dimension: : 482mm(L) X 390mm(W) X 44mm(H) Weight: 4.2kg Installation: 1U 19 " Rack Mount

Order Information

Model	Description
OP-S2G2H24C-M-I	2*1000Base-FX ports，2*10/100/1000Base-T(X) port, 24*combo 10/100Base-T/SFP ports, 1*Console Port
Note:SFP module is not included, need to order it separately	

Package include

No	Package List
1	2*1000Base-FX ports，2*10/100/1000Base-T(X) port, 24*combo 10/100Base-T/SFP ports, 1*Console Port
2	User Guide
3	Warranty Card

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTOSTAR before they become applicable to any particular order or contract. In accordance with the OPTOSTAR policy of continuous improvement specifications may change without notice.

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