



10 Port 10/100/1000M Managed Industrial PoE Switch

OP-S8A2X-M-I



Shenzhen Optostar Optoelectronics Co., Ltd

2013. 10 (Version 1)

Overview

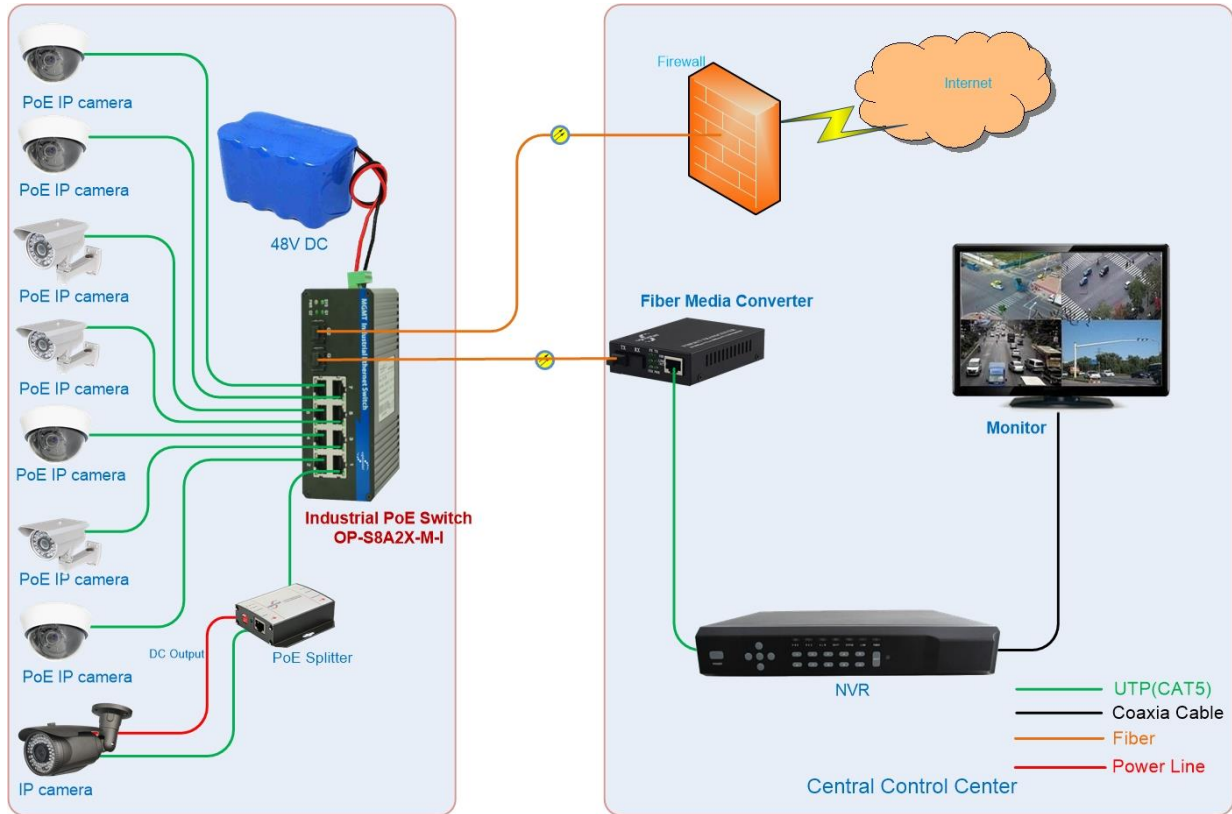
This Managed PoE Industrial Ethernet Switch is designed for critical industrial application, with reliable and simple operation against vibration and shock and other disturbances. It is classified as power source equipment (PSE) and provides up to 30W of power per PoE ports, eliminates the need of additional wiring.

With the wide temperature range for operation, this switch meets the requirements of reliability and practicality of network in different kinds of industrial environments.

Features

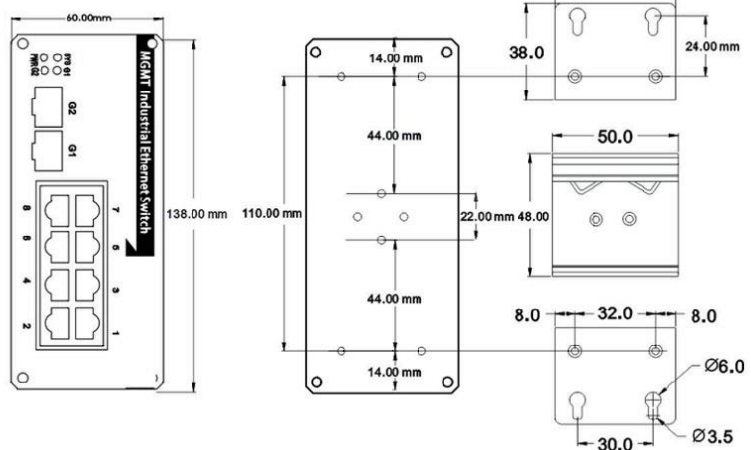
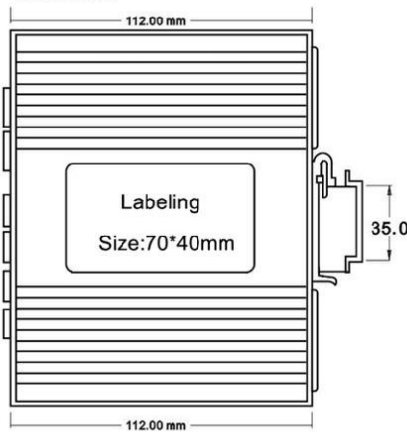
- 8*IEEE 802.3af/at PoE compliance 10/100Base-T(X) ports and 2*1000Base-X SFP ports
- “OP-Ring” (recovery time<20ms), RSTP/STP, and MSTP for network redundancy
- Configurable by CLI for advanced PoE management function
- Port-based VLAN, IEEE802.1Q VLAN and GVRP to ease network planning
- DHCP Option 82 for IP address assignment with different policies
- IGMP snooping and GMRP for filtering multicast traffic
- Ethernet/IP and Modbus/TCP industrial Ethernet protocol supported
- Bandwidth management prevents unpredictable network status
- SNMPv3, IEEE802.1X, HTTPS and SSH to enhance network security
- 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

Application



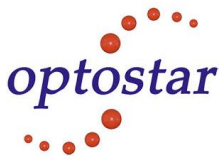
Mechanical Dimensions

Units:mm



Technical Indexes

Standard	<p>IEEE 802.3af/at PoE IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) IEEE 802.3x for Flow Control IEEE 802.1D-2004 for Spanning Tree Protocol IEEE 802.1w for Rapid Spanning Tree Protocol IEEE 802.1s for Multiple Spanning Tree Protocol IEEE 802.1Q for VLAN Tagging IEEE 802.1p for Class of Service IEEE 802.1X for Authentication IEEE 802.3ad for Port Trunk with LACP 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: IEC61000-6-2 Rail: EN50155, EN50121-4 Traffic: NEMA TS-2</p>
EMS	<p>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</p>
Copper Port	<p>8*RJ45 Ports (10/100M) 802.3af/at PoE Port: Up to 30W at 48-50V DC power output on each PoE port, 600mA Full/Half duplex mode Auto MDI-MDI-X connection Up to 100M Cat-5 transmission distance</p>
Console Port	RS-232(RJ45 connector)
Fiber Port	2*SFP Port: 1000Base-X, SFP interface
Protocol	OP-Ring, IGMPv1/v2, GVRP, SNMPv1/ v2C/ v3, DHCP Client, TFTP, SMTP, RMON, HTTP,HTTPS,Telnet,Syslog,SSH,SNMP Inform, LLDP, SNTP Service/ Client,PVLAN
MIB	MIB-II, Ethernet-Like MIB, P-BRIDGE MIB, Q-BRIDGE MIB, Bridge MIB, RSTP MIB, RMON MIB Group 1,2,3,9
Flow Control	IEEE 802.3x flow control, back pressure flow control
Switch Properties	<p>Priority Queues: 4 Maximum No of Available VLANs: 256 VLAN ID: 1-4094 IGMP Groups: 256 MAC Table Size: 8K Packet Buffer Size: 1Mbit</p>
Power	<p>Input Voltage: 48V DC(44-57VDC), Redundant dual inputs Input Current: <0.5A @48VDC Overload Current Protection: Present Reverse Polarity Protection: Present Redundant Protection: Present Connection: 1 removable 6-pin terminal blocks</p>



Environmental Limits	Operating Temperature: -40°C-85°C Storage Temperature: -40°C-85°C Ambient Relative Humidity: 5%-95% (non-condensing)
Warranty	3 years
Physical Characteristics	Housing: Aluminum Alloy material with IP40 Protection Dimension: 138mm(L) X 112mm(W) X60mm(H) Weight:710g Installation: Din-Rail mounting, Wall mounting

Order Information

Model	Description
OP-S8A2X-M-I	8*IEEE 802.3af/at PoE compliance 10/100Base-T(X) ports and 2*1000Base-X SFP ports
Note:SFP module is not included, need to order it separately	

Package include

No	Package List
1	8*IEEE 802.3af/at PoE compliance 10/100Base-T(X) ports and 2*1000Base-X SFP ports
2	Power Adapter
3	User Guide
4	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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