

OPL-IS7M-G0208P-ED

8*10/100/1000Base-T + 2*1G/2.5Base-X SFP Dual Rate



Общие сведения

OPL-IS7M-G0208P-ED - это высоконадежный управляемый промышленный Ethernet-коммутатор с 8 портами 10/100/1000-T RJ45 и 2-мя портами 1000/2500Base-X волоконно-оптических интерфейсов. Он поддерживает сеть с резервированием ERPS, а механизм самовосстановления составляет менее 20 мс при полной нагрузке, что позволяет создать надежную сеть Ethernet, построив кольцевую топологию с резервированием в качестве резервного решения. Он также поддерживает DI/DO/RS485/Modbus и надежную функцию управления уровня 2, которая может удовлетворить особые потребности приложений промышленной автоматизации.

Будучи высоконадежным и простым в использовании устройством, он может обеспечить основные функции промышленной сети Ethernet, включая широкий диапазон входного питания 12-58 В постоянного тока, резервное питание с защитой от переплюсовки, прочный корпус IP40 без вентилятора с возможностью установки на Din-рейку, диапазон рабочих температур от -40°C до 75°C, а также высокий уровень EMI/EMC-характеристик. Это лучший выбор для тяжелых промышленных предприятий, транспорта, нефти и газа, химической промышленности, IP-видеонаблюдения и автоматизации обработки, где условия окружающей среды являются суровыми и критическими.

Features

- 8*10/100/1000Base-T RJ45 ports
- 2*1000/2500Base-X SFP slots
- Redundant power 12-58V input with polarity reverse/over-voltage/current protection
- Support USB configuration and upgrading
- Support DI/DO/RS485/Modbus data
- Support Layer 2 management function: VLAN/VLAN Classification/QinQ/STP, RSTP, MSTP/Port Mirroring/DHCP/Multicast/ACL/IGMP/QoS/LLDP/802.1X/Dying Gasp/SFPDDM/IPV6 management/Web/SNMP/Telnet/TFTP/Web upgrading
- G.8032 ERPS protocol, recovery ≤ 15 ms
- Support 6KV surge protection and ESD: Air-15kV, Contact-8kV Protection

Specifications

Model No.	OPL-IS7M-G0208P-ED	
Interface	Fiber ports	Copper RJ45 ports
	2	8
Ethernet	8*10/100/1000Base-T RJ45 2*1000/2500Base-X SFP	
Management port	1*RJ45 Console port, 1*USB 2.0	
Data channel(optional)	1 channel RS485	
Standard	IEEE 802.3 10Base-T Ethernet	
	IEEE 802.3u 100Base-TX Ethernet	
	IEEE 802.3ab 1000Base-T Ethernet	
	IEEE 802.3z 1000Base-X Ethernet	
	IEEE802.3x Flow Control and Back Pressure	
	IEEE 802.1D Spanning Tree Protocol	
	IEEE 802.1w Rapid Spanning Tree Protocol	
	IEEE 802.1Q VLAN	
	ITU-T G.8032 ERPS	
	IEEE 802.1X Port Authentication Network Control	
IEEE 802.1ab LLDP		
IEEE 802.3ad LACP		
LED Indicators		
P (Power indicator)	Off: the device is power off or failed	On: the device power on is normal
S(System status indicator)	Blinking: device initialization	On: device on normal operation
	Off: USB flash drive not insert or not detected by device	
USB (USB status indicator)	On: USB flash drive is detected by device	
	Blinking: the device is reading and writing the data from USB flash drive	
ALM(Fault status indicator) Red	Off: Device on normal working state	On: Fault alarm
1-8 (Copper ports indicators) Green	Off: ports link down	
	On: ports link up	
	Blinking: data on TX/RX	
1-8(Port speed indicators) Yellow	Off: ports on 10/100M	
	On: ports on 1000M	
9-10(Fiber ports indicators) Green	On: ports link up	
	Blinking: data on TX/RX	

Power Parameter	
Input voltage	12-58VDC, redundant power input
Input current	0.9A Max
Total power consumption	Full loading ≤10W
Connector	Removable 4-pin terminal block
Reverse polarity protection	Support
Over-voltage protection	Support
Over-current protection	Support
Layer 2 Function	
Port aggregation	Support GE port aggregation Support 2.5GE aggregation Support static aggregation Support dynamic aggregation
Port features	Support IEEE802.3x flow control, Support port traffic statistics, Support port isolation Support network storm suppression based on port bandwidth percentage
VLAN Classification	Mac Based VLAN IP Based VLAN Protocol Based VLAN
QinQ	Port-based QinQ VLAN-based QinQ Flow-based QinQ
Port mirroring	Many to one port mirroring
Ring network protocol	Support STP、RSTP、MSTP Support G.8032 ERPS protocol, single ring, sub Ring and associated sub ring Recovery time ≤20ms
DHCP	Support DHCP Client Support DHCP Snooping
Multicast	IGMP V1,V2,V3 IGMP snooping
ACL	IP Standard ACL MAC extend ACL
QoS	Support QoS Class, Remarking Support SP, WRR queue scheduling Ingress Port-based Rate-limit Egress Port-based Rate-limit Support Policy-based QoS

Support Dot1x, port authentication, MAC authentication, RADIUS service
 Support port-security
 Support IP Source Guard, IP/Port/MAC binding
 Support ARP-check and ARP packet filtering for illegal users
 Support port isolation

Support LLDP
 Support user management and login authentication
 Support SNMPV1/V2C/V3
 Support web management, HTTP1.1, HTTPS
 Support Syslog and alarm grading
 Support RMON(Remote Monitoring) alarm
 Support NTP
 Support temperature monitoring
 Support Ping , TRACERT
 Support optical transceiver DDM function
 Support TFTP Client
 Support Telnet Server
 Support SSH Server
 Support IPv6 Management
 Support TFTP, web upgrading
 Support USB upgrading
 Support USB importing configuration

Switching Features 1*RJ45 Console port, 1*USB 2.0 (optional)

Switching capacity 26Gbps

MAC address table 16K

Buffer 12Mbit

Forwarding delay <5us

Jumbo Frame Support 10Kbytes

MDX/MIDX Support

Watchdog Support

Mechanical Structure

Case protection IP40

Installation method Din-rail

Dimension(W*D*H)mm 54*115*158mm

Weight 1.28 kg

Operating environment

Operating temperature -40°C~+75°C

Storage/transportation temperature -40°C~+85°C

Relative humidity Operation humidity: 10%-90%RH
Storage humidity: 5%-95%RH

Industrial Standard

Surge protection of power: IEC 61000-4-5 6KV/4KV (8/20us)
Surge protection of Ethernet ports: IEC 61000-4-5 6KV/2KV (10/700us)
EMS RS: IEC 61000-4-3 80 MHz-1 GHz: 10 V/m
EFT: IEC 61000-4-4 4K/2K
CS: IEC 61000-4-6 10V
ESD: IEC 61000-4-2 Contact: 8K; Air: 15K

EMI FCC Part 15B Class A

Shock IEC 60068-2-27

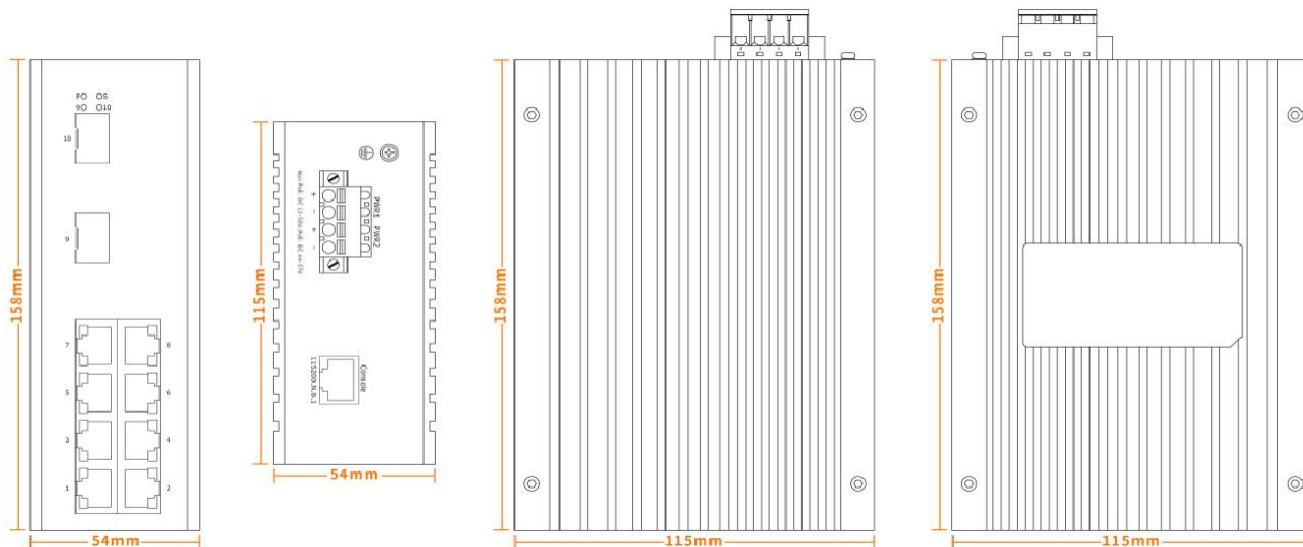
Free fall IEC 60068-2-32

Vibration IEC 60068-2-6

Certification CE/FCC/RoHS

Warranty 3 years

Dimensions applications



Информация для заказа

Модель	Описание
OPL-IS7M-G0208P-ED	Managed industrial Ethernet switch with 8*10/100/1000Base-T RJ45 ports and 2*1G/2.5GBase-X SFP slots Supports DI/DO/RS485/Modbus data, DC12-58V input, redundant dual power supply, Din-rail installation; Operation temperature: -40°C ~ +75°C
OPL-IS7M-G0408P-E	Managed industrial Ethernet switch with 8*10/100/1000Base-T RJ45 ports and 2*1G/2.5GBase-X SFP slots DC12-58V input, redundant dual power supply, Din-rail installation. Operation temperature: -40°C ~ +75°C