

## OPT-IES1022 Series Industrial Ethernet Switch

RoHS Compliant



### >>Description

The equipment is a series of green DIN-rail industrial Ethernet Switch with low power consumption. They can be applied extensively in wind power, distribution network automation, subway PIS, power SCADA, wastewater treatment, metallurgy, intelligent transportation, rail transit, and many other industries.

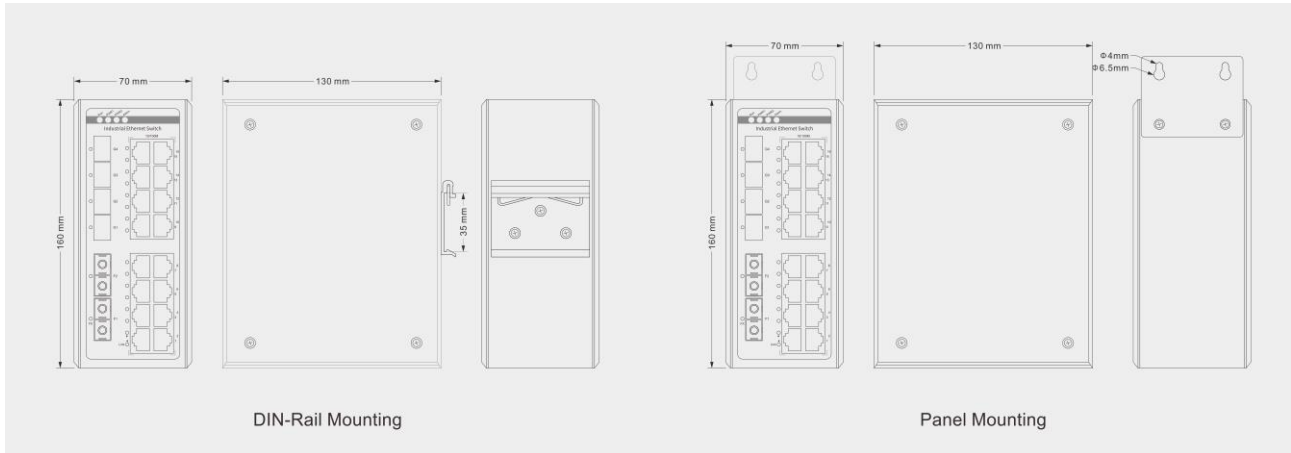
### >>Main Features

- Both standard and wide operating temperature
- Supports auto MDI/MDIX function
- Status LED for easy monitoring of device status
- Supports VLAN function
- Support power relay alarm output
- Support 8k MAC address
- Supports DIN-Rail and hang wall mounting
- Support dual power supply backup
- IP40 protection class

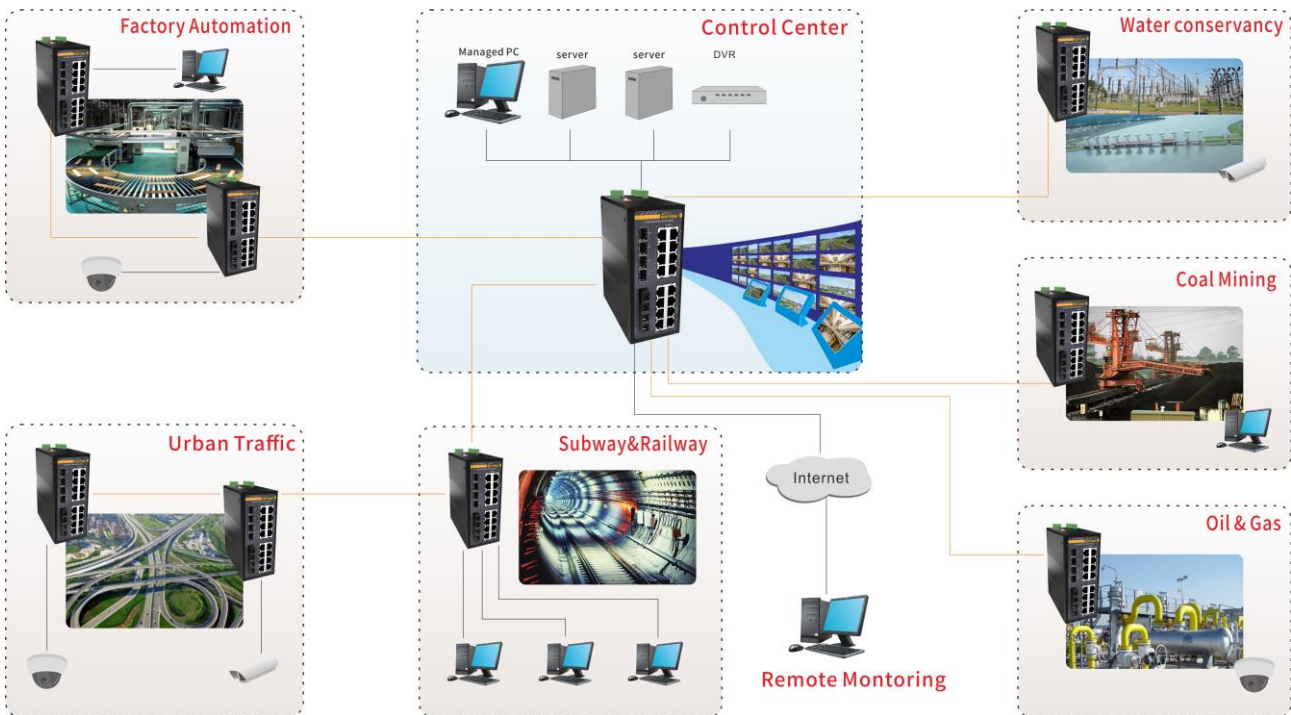
## >> Specifications

Interface	OPT-IES1022-4G2F	OPT-IES1022-4G	OPT-IES1022-2F	OPT-IES1022-16T
Interface	16*10/100M Ethernet ports + 4*GE SFP Fiber ports + 2*FE Fiber ports	16*10/100M Ethernet ports + 4*GE SFP Fiber ports	16*10/100M Ethernet ports + 2*FE Fiber ports	16*10/100M Ethernet ports
Optical Port	100M Fiber Port : 100Base-Fx 1x9 , Connector optional 1000M Fiber Port : 1000Base-Fx SFP Transfer Distance: up to 120km Fiber core: 9/125µm on single-mode fiber, 50/125µm and 62.5µm on multi-mode fiber			/
Ethernet Port	Available speed: force 10Mbps, force 100Mbps and auto-detective 10/100Mbps Duplex mode: Full-Duplex and Half-Duplex auto-negotiation Connectors: RJ-45 Connector; MDI/MDI-X connection auto-sensing			
Relay port	2 bits 7.62mm terminal block			
Standard	IEEE802.3 ( 10Base-T ) IEEE802.3u ( 100Base-TX/FX ) IEEE 802.3ab ( 1000Base-T ) IEEE 802.3z ( 1000Base-SX/LX/CX/T ) IEEE802.3x ( Flow control )		IEEE802.3 ( 10Base-T ) IEEE802.3u ( 100Base-TX/FX ) IEEE802.3x ( Flow control )	
Switch Properties	MAC Table: 8K Packet Buffer: 4Mbit Switching Delay: <5µs			
LED Indicators	Running Status, Power Status, Relay alarm, FX Link/Act, TX Link/Act			
Power Requirement	Input: 12VDC~48VDC Input method : 4 bits 7.62mm terminal block Reverse Connection Protection: Support Redundancy Protection: Support Dual Power: Support			
Physical Characteristics	Housing: Metal enclosure Protection Class: IP40 Dimensions: 70 x 160 x 130mm Weight: 1.1kg Installation: DIN-Rail and Panel mounting			
Environmental Limits	Operating Temperature: -40°C to 85°C Storage Temperature: -40°C to 85°C Operating Humidity: 10% to 95% RH (non-condensing) Storage Humidity: 5% to 95% RH (non-condensing)			
Agency Approvals	FCC Part 15 of Class A & CE			
Industrial Standard	EMI: FCC/CE/LVD/EMC EMS: IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-16 (Common mode conduction) Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32 Vibration: IEC 60068-2-6			
Warranty	5 years			

## >> Mechanical Drawing



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## >>Ordering Information

OPT-IES1022-4G2F	16*10/100M Ethernet ports + 4*GE SFP Fiber ports + 2*FE Fiber ports
OPT-IES1022-4G	16*10/100M Ethernet ports + 4*GE SFP Fiber ports
OPT-IES1022-2F	16*10/100M Ethernet ports + 2*FE Fiber ports
OPT-IES1022-16T	16*10/100M Ethernet ports

### Optional SFP

<i>Model</i>	<i>Rate</i>	<i>Wavelength</i>	<i>Distance</i>	<i>Connector</i>
SFP-SX-MM-0205I	1.25Gbps	850nm	0.5km	Duplex LC
SFP-LX-SM-0220I	1.25Gbps	1310nm	20km	Duplex LC
SFP-LX-SM-0240I	1.25Gbps	1310nm	40km	Duplex LC
SFP-ZX-SM-0280I	1.25Gbps	1550nm	80km	Duplex LC

## >>Important Notice

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

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