



**2*10/100/1000Base-T(x) to 1*1000Base-FX With Lightning-protection
Industrial Fiber Media Converter**

OP-EC1x73xxx-23-xx-I



Shenzhen Optostar Optoelectronics Co., Ltd

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Item	Industrial Media Converter
Model No.	OP-EC1x73xxx-23-xx-I
Description	2*10/100/1000Base-T(X) to 1*1000Base-FX With Lightning-protection function
	
	

Overview

OP-EC1x73xxx-23-xx-I Series unmanaged 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 environment.

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.

Features

- 2*10/100/1000Base-TX port and 1*1000Base-FX port
- 10/100/1000M auto-negotiation , Full/Half duplex mode, auto-MDI-MDI-X
- Super lightning protection, IP40 protection
- Excellent heat elimination without cooling fan
- -40°C-85°C operating temperature range

Technical Indexes

Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, 10/100/1000Base-T(X), IEEE802.3z 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
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 IEC61000-4-8(100A/m), Level 3 IEC61000-4-11, Level 3
Copper Port	2*10/100/1000Base-T(X) auto negotiation speed RJ45Port Full/Half duplex mode Auto MDI-MDI-X connection Up to 100M Cat-5 transmission distance
Fiber Port	1*10/100/1000Base-T(X) Port Rate: 1000Mbps Wavelength: 850nm/1310nm/1550nm Up to 500m transmission distance with multi-mode Up to 20km,40km,60km,80km transmission distance with single-mode SC/ST/FC interfaces optional
Switch Properties	MAC Table Size: 1K Packet Buffer Size: 1Mbit Processing Type: Store and Forward Exchange Properties: 148800pps (100M)
Power	Input Voltage: 24V DC(18-36VDC), Redundant dual inputs Input Current: <0.5A @24VDC Overload Current Protection: Present Reverse Polarity Protection: Present Redundant Protection: Present
Environmental Limits	Operating Temperature: -40°C-85°C Storage Temperature: -40°C-85°C Ambient Relative Humidity: 5%-95% (non-condensing)
Warranty	5 years
Physical Characteristics	Housing: Aluminum Alloy material with IP40 Protection Dimension: 138mm(L) X 112mm(W) X 42mm(H) Weight: 480g Installation: Din-Rail mounting, Wall mounting



Order Information

Model No.	Data Rate	Fiber Mode	Wavelength	Fiber Connector	Distance	Power Supply
OP-EC1M731x1-23-0.5-I	10/100/1000M	MMF	850nm	SC/ST/FC/LC	500m	Internal.DC24
OP-EC1S732x1-23-20-I	10/100/1000M	SMF	1310nm	SC/ST/FC/LC	20km	Internal.DC24
OP-EC1S733x1-23-20-I	10/100/1000M	SMF	1550nm	SC/ST/FC/LC	20km	Internal.DC24
OP-EC1S732x1-23-40-I	10/100/1000M	SMF	1310nm	SC/ST/FC/LC	40km	Internal.DC24
OP-EC1S733x1-23-40-I	10/100/1000M	SMF	1550nm	SC/ST/FC/LC	40km	Internal.DC24
OP-EC1S732x1-23-60-I	10/100/1000M	SMF	1310nm	SC/ST/FC/LC	60km	Internal.DC24
OP-EC1S733x1-23-60-I	10/100/1000M	SMF	1550nm	SC/ST/FC/LC	60km	Internal.DC24
OP-EC1S732x1-23-80-I	10/100/1000M	SMF	1310nm	SC/ST/FC/LC	80km	Internal.DC24
OP-EC1S733x1-23-80-I	10/100/1000M	SMF	1550nm	SC/ST/FC/LC	80km	Internal.DC24
OP-EC1M739x1-23-0.5-I	10/100/1000M	MM Bi-di	TX850/RX1310nm	SC/ST/FC/LC	500m	Internal.DC24
OP-EC1M73Ax1-23-0.5-I	10/100/1000M	MM Bi-di	TX1310/RX850nm	SC/ST/FC/LC	500m	Internal.DC24
OP-EC1S735x1-23-20-I	10/100/1000M	SMF Bi-di	TX1310/RX1550nm	SC/ST/FC/LC	20km	Internal.DC24
OP-EC1S737x1-23-20-I	10/100/1000M	SMF Bi-di	TX1550/RX1310nm	SC/ST/FC/LC	20km	Internal.DC24
OP-EC1S735x1-23-40-I	10/100/1000M	SMF Bi-di	TX1310/RX1550nm	SC/ST/FC/LC	40km	Internal.DC24
OP-EC1S737x1-23-40-I	10/100/1000M	SMF Bi-di	TX1550/RX1310nm	SC/ST/FC/LC	40km	Internal.DC24
OP-EC1S735x1-23-60-I	10/100/1000M	SMF Bi-di	TX1310/RX1550nm	SC/ST/FC/LC	60km	Internal.DC24
OP-EC1S737x1-23-60-I	10/100/1000M	SMF Bi-di	TX1550/RX1310nm	SC/ST/FC/LC	60km	Internal.DC24
OP-EC1S735x1-23-80-I	10/100/1000M	SMF Bi-di	TX1310/RX1550nm	SC/ST/FC/LC	80km	Internal.DC24
OP-EC1S737x1-23-80-I	10/100/1000M	SMF Bi-di	TX1550/RX1310nm	SC/ST/FC/LC	80km	Internal.DC24

Note:

Fiber Connector is SC,x=1
 Fiber Connector is ST,x=2
 Fiber Connector is FC,x=3
 Fiber Connector is LC,x=4

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