



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

OP-EC1x73xxx-23-xx-EI



Shenzhen Optostar Optoelectronics Co., Ltd

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

Overview

OP-EC1x73xxx-23-xx-EI Series industrial media converter is specially designed for industrial application, which provides fast and stable media conversion . It also meets the requirements of long distance, high speed, and wide broadcast.

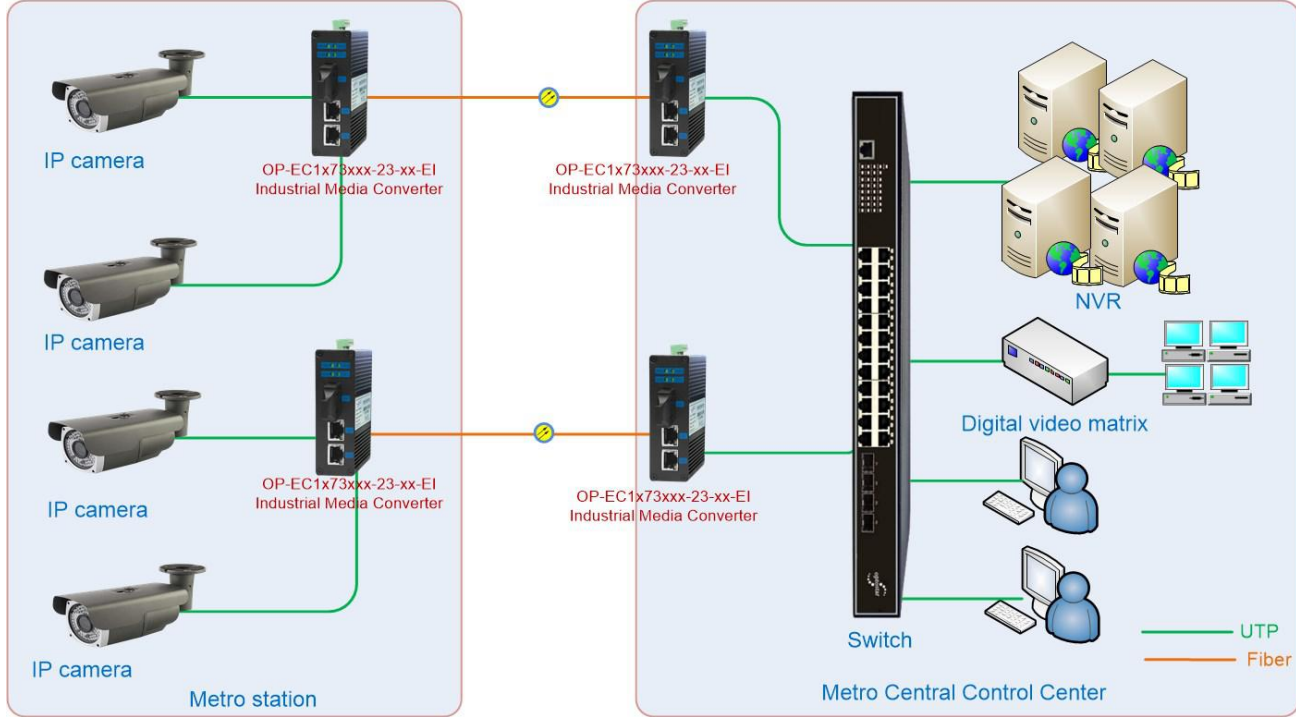
With wide range operation temperature, alloy aluminum shell and other excellent industrial-grade design against vibration and shock, it could keep your industrial automation applications running continuously in different harsh environments.

Features

- 2*10/100/1000Base-T(X) port and 1*1000Base-SX/LX/LH/ZX fiber 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
- Redundant dual DC power inputs
- -40°C-85°C operating temperature range

Application

1. Network Communication
2. FTTH / FTTB / FTTx



Technical Indexes

Standard	<p>IEEE802.3, IEEE802.3u, IEEE802.3ab, 10/100/1000Base-T(X), IEEE802.3z Safety: UL 60950-1 Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32 Vibration: IEC 60068-2-6 EMI: FCC Part 15 Subpart B Class A, EN 55022 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 IEC61000-4-6(CS), Level 3</p>
Copper Port	<p>2*10/100/1000Base-T(X) auto negotiation speed RJ45Port Comply with IEEE802.3, IEEE802.3u, IEEE802.3ab, 10/100/1000Base-T(X) 10/100/1000Base-T(X) auto negotiation speed Full/Half duplex mode Auto MDI-MDI-X connection Up to 100M Cat-5 transmission distance</p>



Fiber Port	1*10/100/1000Base-F(X) Port Comply with IEEE802.3z Rate: 1000Mbps Wavelength: 850nm/1310nm/1550nm Up to 550m transmission distance with multi-mode Up to 20km,40km,60km,80km transmission distance with single-mode SC/LC interfaces optional
Switch Properties	MAC Table Size: 8K 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 Connection: 1 removable 6-pin terminal blocks
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: 98mm(L) X 78mm(W) X 32mm(H) Weight: 270g Installation: Din-Rail mounting, Wall mounting

Order Information

Model No.	Data Rate	Fiber Mode	Wavelength	Fiber Connector	Distance	Power Supply
2*10/100/1000Base-T(X) RJ45 port and 1*1000Base-SX/LX/LH/ZX fiber port						
OP-EC1M731x1-23-0.55-EI	10/100/1000M	MMF	850nm	SC/LC	550m	Internal.DC24
OP-EC1S732x1-23-20-EI	10/100/1000M	SMF	1310nm	SC/LC	20km	Internal.DC24
OP-EC1S733x1-23-20-EI	10/100/1000M	SMF	1550nm	SC/LC	20km	Internal.DC24
OP-EC1S732x1-23-40-EI	10/100/1000M	SMF	1310nm	SC/LC	40km	Internal.DC24
OP-EC1S733x1-23-40-EI	10/100/1000M	SMF	1550nm	SC/LC	40km	Internal.DC24
OP-EC1S732x1-23-60-EI	10/100/1000M	SMF	1310nm	SC/LC	60km	Internal.DC24
OP-EC1S733x1-23-60-EI	10/100/1000M	SMF	1550nm	SC/LC	60km	Internal.DC24
OP-EC1S732x1-23-80-EI	10/100/1000M	SMF	1310nm	SC/LC	80km	Internal.DC24
OP-EC1S733x1-23-80-EI	10/100/1000M	SMF	1550nm	SC/LC	80km	Internal.DC24



OP-EC1M739x1-23-0.55-EI	10/100/1000M	MM Bi-di	TX850/RX1310nm	SC/LC	550m	Internal.DC24
OP-EC1M73Ax1-23-0.55-EI	10/100/1000M	MM Bi-di	TX1310/RX850nm	SC/LC	550m	Internal.DC24
OP-EC1S735x1-23-20-EI	10/100/1000M	SMF Bi-di	TX1310/RX1550nm	SC/LC	20km	Internal.DC24
OP-EC1S737x1-23-20-EI	10/100/1000M	SMF Bi-di	TX1550/RX1310nm	SC/LC	20km	Internal.DC24
OP-EC1S735x1-23-40-EI	10/100/1000M	SMF Bi-di	TX1310/RX1550nm	SC/LC	40km	Internal.DC24
OP-EC1S737x1-23-40-EI	10/100/1000M	SMF Bi-di	TX1550/RX1310nm	SC/LC	40km	Internal.DC24
OP-EC1S735x1-23-60-EI	10/100/1000M	SMF Bi-di	TX1310/RX1550nm	SC/LC	60km	Internal.DC24
OP-EC1S737x1-23-60-EI	10/100/1000M	SMF Bi-di	TX1550/RX1310nm	SC/LC	60km	Internal.DC24
OP-EC1S735x1-23-80-EI	10/100/1000M	SMF Bi-di	TX1310/RX1550nm	SC/LC	80km	Internal.DC24
OP-EC1S737x1-23-80-EI	10/100/1000M	SMF Bi-di	TX1550/RX1310nm	SC/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

Contact OPTOSTAR

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