

# LA-10GOEO-I

Industrial 10G OEO Converter



## Introduction

Industrial 10G OEO Converter is a connection between fiber to fiber 10Gbps equipment function as fiber media converter, or as fiber repeater for long distance transmission in harsh environment at operating temperature  $-40\sim 75^{\circ}\text{C}$ .

It is for network backbone (SAN, LAN, MAN) application. Support SDH/SONET STM-64/OC-192, 10G fiber channel, 10G Ethernet, which can be applied in R&D laboratory, data center, telecommunication room. It supports optical wavelength conversion 1310nm/1550nm/CWDM/DWDM with Loop-back.

## Features

- Transparent Transport and very low delay
- 3R function (Regeneration, Reshaping, Re-timing)
- Support hot plugging, full state led display, easy installation
- Support ITUT prescribed DWDM/CWDM wavelength, and can also display it's DDM function
- Support Loop-back and Jumbo Frame

## DIP Switch

DIP-Bit Number	Switch Status	Function Descriptions
1	ON	1.25~8.5G
	OFF	10.3G or 14.025G
2	ON	Reserved
	OFF	Reserved
3	ON	Reserved
	OFF	Reserved
4	ON	Reserved
	OFF	Reserved

## Specifications

### Protocols

8.5G Fiber Channel  
 SONET OC-192, SDH STM-64 (9.95Gbps)  
 10G WAN (10Gbps)  
 10G LAN (10.31Gbps)  
 OTN OTU-2 (G.709) (10.70Gbps)  
 10G LAN with 255/237 FEC coding (11.09Gbps)  
 10G Fiber Channel (11.32Gbps)

### Transmission Distance

XFP module: Up to 80Km  
 SFP+ module: up to 80km

### Maximum Packet Forwarding Rate

14,880,950/S

### LED Instructions

PWR, SPD, LOS1, LOL2, LOS2, LOL2

### Transmission Speed

8.5Gb/s-11.7Gb/s

### Interface Type

Type A : XFP to XFP  
 Type B : XFP to SFP+  
 Type C : SFP+ to XFP  
 Type D: SFP+ to SFP+

### Power Requirement

Standalone: DC12V~48V  
 Power consumption: ≤4W

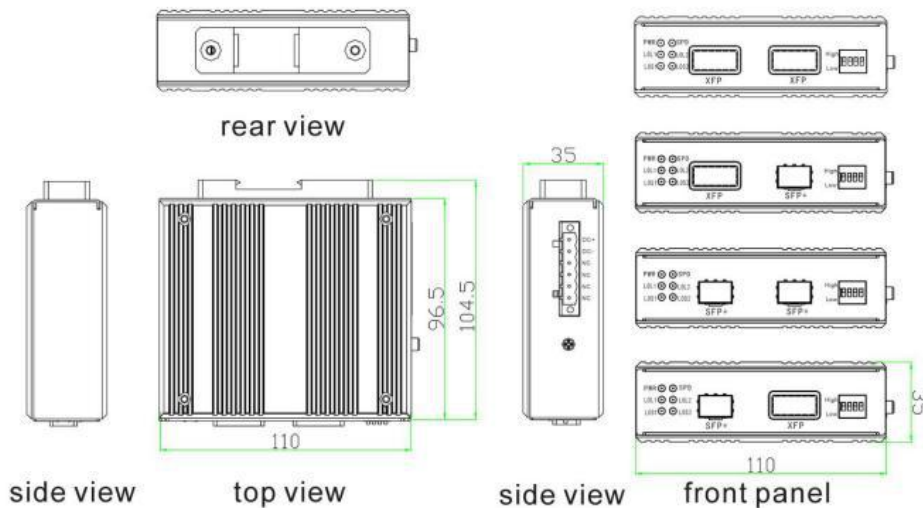
### Work Environment

Operating Temp: -40~ 75°C  
 Storage Temp: -40~ 85°C  
 Humidity: 5%~90% (non-condensing)

### Dimension

Standalone: 110(L)\*96.5(W)\*35(H)mm

## Product Size (mm)



## Ordering Information

PART NO	DESCRIPTION
LA-10GOEO-I	Industrial 10G OEO Converter, 8.5Gb/s-11.7Gb/s Operating Temperature -40~ 75°C