LA-10GOEO-I

# Industrial 10G OEO Converter

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**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~ 75℃.

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**

**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+

**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)

10G POS

**Power Requirement**

Standalone: DC12V~48V

Power consumption: ≤4W

**Work Environment**

Operating Temp: -40~ 75℃

Storage Temp: -40~ 85℃

Humidity: 5%~90% (non-condensing)

**Dimension**

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

**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

**Product Size (mm)**

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**Ordering Information**

|  |  |
| --- | --- |
| PART NO | DESCRIPTION |
| LA-10GOEO-I | Industrial 10G OEO Converter, 8.5Gb/s-11.7Gb/sOperating Temperature -40~ 75℃ |