



## DATASHEET

**Customized WDM Transponder OEO 3R Repeater,**

**2/4 XFP/SFP/SFP+/QSFP Ports, Up to 40G Rate**

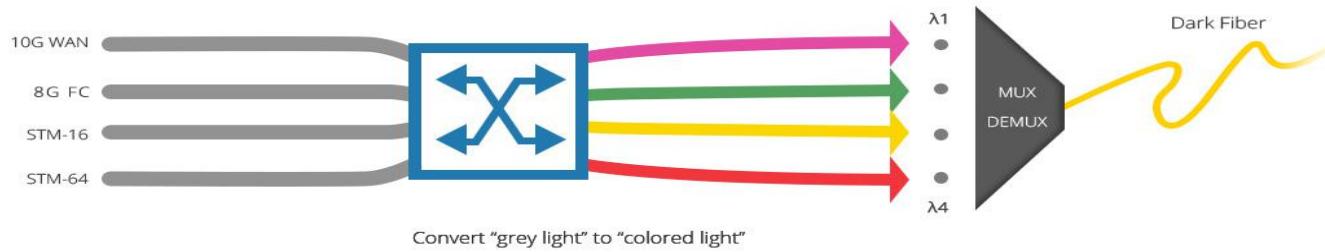
**OTN Solutions for Metro, Regional & Long Haul**

## Description

OEO is optical signal regeneration conversion equipment based on the principle of optical-electrical-optical. The product is widely used in the field of optical communication, such as optical signal wavelength conversion, single-mode conversion, relay amplification, signal regeneration.

The main field of transponder application is cost-optimized CWDM and DWDM networks. By means of the implemented 3R functionality (re-amplification, re-shaping, re-timing) for signal processing, it is suited for the use as a repeater.

With transparent bi-directional forwarding capability between the 2 fiber media, the transponder brings you the best and simplest solution for your wavelength conversion between fiber and fiber.



## Features

- Data rate: 125M~40Gbps
- Supported protocol: Ethernet, P/SDH, ATM, etc
- 3R signal regeneration: Retransmission, Reshaping, Retiming
- Supported interface: Single card supports 2-channel one-way business processing
- Flexible and scalable: Add or change optics to adjust data or media rates; maintain signal item inventory

## Applications

- SDH
- Ethernet
- C/DWDM

## Product Specifications

Transmission Speed	125M~4.25G / 8.5G~11.7G / 10G		
Interface Type	SFP+ to SFP+ / SFP+ to XFP / XFP to XFP / SFP to SFP		
Transceiver Slot Number	2/4	Housing	Standalone /Plug-in
Power Consumption	≤6W	Power Supply	AC 220V
Operating Temperature	0 ~ 50°C	Storage Temperature	-10 ~ 70°C

## Matching Protocols

	Data Rate	Protocols
125M~4.25G	Fast Ethernet (125Mbps)	STS-3/STM-1 (155.52Mbps)
	STS-12/STM-4 (622.08Mbps)	1×Fiber Channel (1.0625Gbps)
	Gigabit Ethernet (1.25Gbps)	2×Fiber Channel (2.125Gbps)
	STS-48/STM-16 (2.48832Gbps)	
	2.5 InfiniBand or PCI Express (2.5Gbps)	
8.5G~11.7G	8.5G Fiber Channel (8.5Gbps)	10G WAN (10Gbps)
	10G LAN (10.31Gbps)	OTN OTU-2 (G.709) (10.70Gbps)
	SONET OC-192, SDH STM-64 (9.95Gbps)	
	10G LAN with 255/237 FEC coding (11.09Gbps)	
10G	10G Fiber Channel (11.32Gbps)	
	10G WAN (10Gbps)	
	10G LAN (10.31Gbps)	

## Dimensions

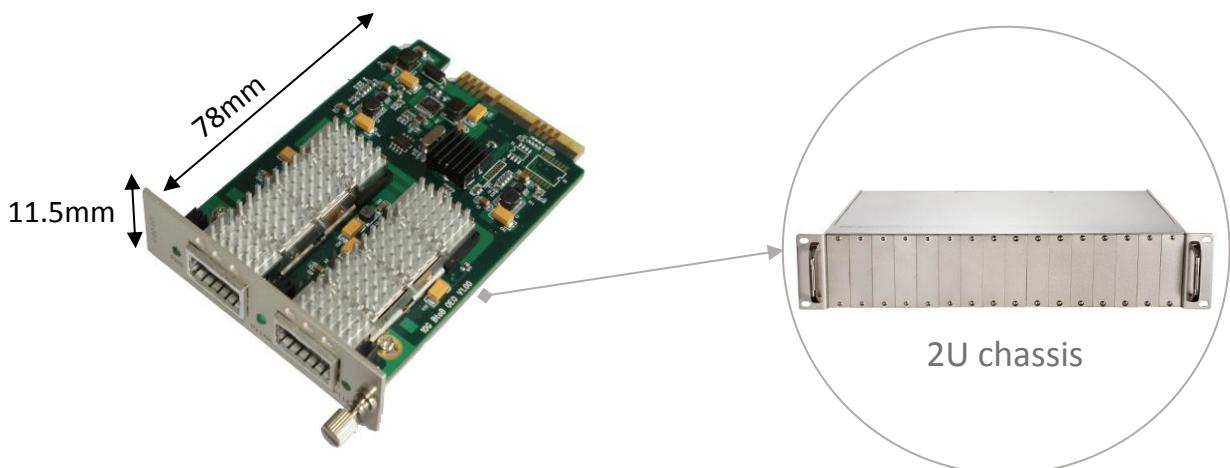
The standalone type can be used alone.

- Width: 156mm(6.14")
- Height: 32mm(1.26")
- Depth: 128mm(5.04")



The plug-in card type needs to be used with 2U 16 slots managed chassis.

- Height: 32mm(1.26")
- Depth: 78mm(3.07")



## Ordering Information

ID	Transmission Speed	Interface Type	Transceiver Slot Number	Housing
#14401	0.125M~4.25G	SFP to SFP	2/4	Plug-in Card/ Standalone
	10G	SFP+ to SFP+/ XFP to XFP/ XFP to SFP+	2	Plug-in Card/ Standalone
	8.5G~11.7G	SFP+ to SFP+/ XFP to XFP/ XFP to SFP+	2	Plug-in Card/ Standalone

\*The plug-in card type can only be used with 2U 16 slots managed chassis ([ID: #14404](#)).



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