

Product Specifications

Product : Mini 10G OEO Media Converter (3R Repeater)

Overview

- Mini-type 10G (8.5G-11.7G) OEO Converter (3R Repeater) is connection between fiber to fiber 10Gbps equipment function as fiber media converter, or as fiber repeater for long distance transmission.
- The OEO is for network backbone (SAN, LAN, MAN).
- Support SDH/SONET STM-64/OC-192, 10G fiber channel, 10G Ethernet etc.
- The OEO can be applied in Telecommunication room, R&D laboratory, Data center, and etc.
- Support 1310nm / 1550nm / CWDM / DWDM Optical Wavelength Conversion.



Features

- Support Loop back
- Support Jumbo Frame
- Transparent Transport and very low delay
- Support ITU-T prescribed DWDM/CWDM wavelength, and can also display its DDM function
- 3R function (Regeneration, Reshaping, Retiming)
- Support hot plugging
- Support 1U Rack (12 channel) and standalone use
- Full State Led display
- Easy installation

Technical Specifications

Connectivity & Transmission

Parameter	Specification
Equipment function	3R Repeater
Transmission Speed	8.5Gb/s-11.7Gb/s
Protocols	<ul style="list-style-type: none"> • 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
Interface Type	<ul style="list-style-type: none"> • SFP+ to SFP+
Transmission Distance	<ul style="list-style-type: none"> • SFP+ module: up to 80km
Maximum Packet / Forwarding Rate	<ul style="list-style-type: none"> • 14,880,950/S
Power Requirement	<ul style="list-style-type: none"> • Rack-mountable : AC 85 ~ 220V • Standalone: DC 5~12V • Power consumption: ≤4W
Work Environment	<ul style="list-style-type: none"> • Operating Temp: 0~ 50 °C • Storage Temp: -10~ 70 °C • Humidity: 5%-90% (non-condensing)
Dimension	<ul style="list-style-type: none"> • Standalone : 58 (W) x 20 (H) x 90 (L) (mm)

Revision record

Date	version	change Description
May 1, 2026	V.0	First release

