



## Fibre Optic Active OEO Media Converters

10 GB OEO Media Converters are used to switch high speed optical signals in fibre optic networks by utilising WDM technology with electrical switching.



### Features & Benefits

- Supports connections up to 10Gbit/s data rate
- Functions as a fibre mode converter or fibre repeater for long distance transmission
- For use with SFPs and supports hot-plugging
- Transmission distances from 550m to 80km
- Available with internal or external power supply
- Can be installed into a media converter chassis
- 1R Repeater
- Support Jumbo Frame
- Transparent Transport and very low delay
- Support ITUT prescribed DWDM/CWDM wavelength
- Support hot plugging
- Support 2U Rack (16 channel) and standalone use
- Full State Led display
- Easy installation
- Connection between fibre to fibre 10Gbps equipment function as fibre mode converter, or as fibre repeater for long distance transmission

### Ordering Information

Using the available configurations amend/create a part number using the formula below.

Media Converter Type		SFP Type A		Distance	
OEO 10GB	OEO10GMC	Multimode	M	550m	550
		Singlemode	S	(Multimode Only)	
				20km	20
				40km	40
				60km	60
				80km	80
OEO 10GMC	EP	M	S	40	UK
Power Supply		SFP Type B		Plug Type	
External Power	EP	Multimode	M	UK	UK
		Singlemode	S	European	EU
				US	US

Example: **OEO10GMCEPMS40UK** – Multimode to Singlemode 40km OEO 10GB Media Converter with UK Plug



Fibre Optic Active

## OEO Media Converters

### Technical Specifications

Performance Data	Technical Indexes
Equipment function	1R Repeater
Transmission Speed	9.95Gb/s-11.35Gb/s
Protocols	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	XFP to XFP
Transmission Distance	XFP module: Up to 80Km
Maximum Packet Forwarding Rate	14,880,950/S
power requirement	Rack-mountable : AC 85~220V OR DC -48V Standalone: AC 110~220V OR -48V Power consumption: ≤4W
Work Environment	Operating Temp: 0~ 50°C Storage Temp: -10~ 70°C Humidity: 5%~90% (non-condensing)
Dimension	Card : 11.5mm (W) × 78mm (D) Standalone : 156mm (W) × 128mm (D) × 32mm (H)
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