

OE25 Series Unmanaged O/E Converter

Twin-Rate™ – Automatic Fiber Speed Selection

10/100/1000BASE-T Gigabit Ethernet Media Converter with Twin-Rate™ 100/1000BASE-FX SFP-module included.



Features

- Unique patented converter that supports both 100Mbps *and* 1Gbps on the fiber port using the *same* SFP module.
- Fully supports the Raycore Twin-Rate™ SFP module (for 100Mbps *and* 1Gbps speeds).
- Twin-Rate™ SFP module included.
- Auto-Cross over for MDI/MDIX in TP port
- Auto-Negotiation or Manual mode (10M, 100M & 1000M) on TP port



Description

This converter with its patented function is unique due to its ability of selecting either 100Mbps -or- 1Gbps on the fiber port, using the very same SFP module.

The OE25TR Series is a stand-alone optical fiber media converter for 10/100/1000Base-T and fiber 100/1000BASE-FX.

With this converter the FTTH networks can grow from today's need of 100Mbps to tomorrow's need of 1Gbps – *without the need of physically upgrading the converter.*

Simply exchange the 100 Mbps access node switch with a switch that supports 1Gbps. The converter will then automatically select the higher speed – and you now have a full featured Gbps network all the way to the end-user.

OE25 Series Unmanaged O/E Converter

Specifications

LAN Interface Specification

- One RJ-45 female connector for straight or cross-over connection.
- Supports 10/100/1000Base-T, n-way (Auto-Negotiation)
- Supports Full, Half duplex, 10/100/1000 speed force mode selections
- Transmission Packet Rate for 10Base-T: 14880 per second
100Base-TX: 148800 per second ; 1000Base-TX: 1488000 per second
- Copper TP cable 4 pair Cat. 5e or 6 UTP

Optical Interface Specification



- Transceiver type : GbE Bidi SFP with Twin-Rate™ (LC connector)
- Wavelength(typical) : single-mode: 1310Tx/1550RX or 1550Tx/1310Rx 15km or 40km
- Supports 100 Mbps *and* 1 Gbps speed
- Supports auto-receive sensitivity function, no extra attenuators needed
- Digital Diagnostic Monitoring Interface compatible with SFF-8472

General Specification

- Standards : IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX , 100BASE-FX, IEEE802.3ab 1000BASE-T, 1000BASE-FX
- Diagnostic LEDs : Power / FX-Link ,TX-Speed / TX-Duplex / TX-Link
- Temperature: 0 - 50⁰ C (Operating); 0 - 70⁰ C (Storage).
- Humidity: 20-80% non-condensing (Operating); 10-90% (Storage).
- Power: DC Jack : Switching adaptor (12V, 400mA); Consumption: < 4W
- Dimensions: 95mm x 73.4mm x 23mm (LxWxH).
- Weight: 120g
- Compliance: FCC part 15, Subpart B, Class A, ANSI C63.4:2003
CE EN55022:2006, Class A
EN55024:1998+A1:2001+A2:2003
LVD: EN60950-1:2001
- MTBF: 90,000 h (25⁰C)

OE25 Series Unmanaged O/E Converter**Ordering Information**

Part Number	Description
RC-OE25TR-B1Mx-SNNV	Unmanaged, 10/100/1000 M O/E Converter with included Twin-Rate™ SFP-module WDM TRx 1310Tx/1550Rx up to 15km
RC-OE25TR-B2Mx-SNNV	Unmanaged, 10/100/1000 M O/E Converter with included Twin-Rate™ SFP-module WDM TRx 1550Tx/1310Rx up to 15km
RC-OE25TR-B7Dx-SNNV	Unmanaged, 10/100/1000 M O/E Converter with included Twin-Rate™ SFP-module WDM TRx 1310Tx/1550Rx up to 40km
RC-OE25TR-B8Dx-SNNV	Unmanaged, 10/100/1000 M O/E Converter with included Twin-Rate™ SFP-module WDM TRx 1550Tx/1310Rx up to 40km

Note: x=1 0~50°C /DC IN 12VDC US type power adaptor

x=2 0~50°C /DC IN 12VDC Euro type power adaptor