

## RC-OFC4 Series Unmanaged O/E Converter

### 10/100Base Ethernet Fiber Media Concentrator



#### Description

The Raycore RC-OFC4e fiber converter is a compact high performance Optical / Electric converter. The converter is equipped with a high performance switch chip set which supports four RJ-45 LAN ports.

The Raycore RC-OFC4e fiber converter is a 10/100Base Ethernet to 100Base-FX fiber media converter designed for CPE applications installed in stand-alone point-to-point applications. The converter supports auto-negotiation on the copper Ethernet side.

In order to be fully compliant with today's traffic demands, the switch is transparent for Q-tagged VLANs.

#### Features

- Fiber port placed on opposite side of the RJ-45 interface
- Very suitable for FTTH application
- Available with Dual fiber or WDM Transceiver
- Store & Forward switching mechanism
- 4x RJ-45 LAN ports
- Transparent for Q-tagged VLAN's
- Supports packets of 1552 bytes
- Option of port based VLAN, each LAN port talks to the WAN port only
- External power supply



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### General Specifications

Parameter	Symbol
Complies with	IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX standards
Temperature	-10-55 °C (Operating)
	-10-70 °C (Storage)
Humidity	5-95% non-condensing (Operating)
	5-95% (Storage)
Power Input	AC/DC Power Adaptor :5VDC/1.0A
	Power plug : Euro type (others on request)
Dimensions	98mm x 70mm x 26mm (L x W x H)
Compliance	CE EN55022:2006 Class A, RoHS2002/95EC

### Technical Specifications

#### LAN Interface Specification

- Four RJ-45 female connector for straight or cross-over connection.
- Supports 10/100Base-TX, Full, Half duplex n-way (Auto-Negotiation).
- Transmission Packet Rate for 10/100BaseTX : 14880bps/148800bps.
- Copper TP cable 4 pair Cat. 3 or 5 UTP

#### Optical Interface Specification

- Transceiver Connector type: SC
- Wavelength (typical) : multi-mode: 850nm, 1310nm (FP or LED)  
single-mode: Dual Fiber Transceiver - Tx1310nm up to 120Km  
WDM Transceiver – Tx1310nm or Tx1550nm up to 120km

### Ordering Information

Part Number	Description
RC-OFC4-MM850	10/100Base-TX (4x) to 100Base-FX converter, (Tx SC Dual 850nm), 1km multi-mode application, Unmanaged
RC-OFC4-MM1310	10/100Base-TX (4x) to 100Base-FX converter, (Tx SC Dual 1310nm), 2km multi-mode application, Unmanaged
RC-OFC4-SM1310d20	10/100Base-TX (4x) to 100Base-FX converter, (Tx SC Dual 1310nm), 20km single-mode application , Unmanaged
RC-OFC4-SM1310w20	10/100Base-TX (4x) to 100Base-FX converter, (Tx SC WDM 1310nm), 20km single-mode application , Unmanaged
RC-OFC4-SM1550w20	10/100Base-TX (4x) to 100Base-FX converter, (Tx SC WDM 1550nm), 20km single-mode application , Unmanaged

Other SM distances on request