



OMCG01LC

1000Base-T / 1000Base-X SFP Media Converter



OMCG01LC is a media converter with one 1000Base-T port and one SFP port.

The ORIGO OMCG01LC media converter converts a twisted-pair 1000Base-T connection to a fiber 1000Base-X connection. The media converter has one RJ-45 port for twisted-pair cable and one SFP slot for installing a transceiver (not included). Operating wavelengths, fiber cable type and maximum data transmission distance depend on chosen transceiver.

Key Features

- 1000Base-T RJ-45 port
- 1000Base-X SFP port for installing a transceiver
- LFP (Link Fault Pass-through) support
- FEF (Far End Fault) support
- Metal housing
- Power adapter included



Specifications

Hardware

Interfaces	• 10/100/1000Base-T (RJ-45) port • 1000Base-X SFP port
Standards and Functions	• IEEE 802.3 10Base-T • IEEE 802.3u 100Base-TX • IEEE 802.3ab 1000Base-T • IEEE 802.3z 1000Base-X • IEEE 802.3x Full Duplex Flow Control • Auto MDI/MDIX on copper port • LFP (Link Fault Pass-through) support • FEF (Far End Fault) support
LEDs	• PWR • Link/Act (SFP) • Link/Act (RJ-45)
Power	• Connector for connecting the power adapter
Casing	• Metal

Physical Parameters

Dimensions (W × D × H)	• 70.5 x 93.5 x 26 mm
Weight	• 124 g

Operating Conditions

Power Input	• Power adapter - Input: 100-240 V AC, 50/60 Hz - Output: 5 V DC/0.55 A
Maximum Power Consumption	• 1.65 W
Temperature	• Operating: 0 to 55 °C • Storage: -25 to 70 °C
Humidity	• 20% to 80% (non-condensing)



Package Contents

Package Contents	• OMCG01LC Media Converter • Power Adapter • Quick Installation Guide
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Optional Accessories

SFP Transceivers	• OFM310GT • OFM311GT • OFM314GT
WDM SFP Transceivers	• OFM330R/3KM • OFM330T/3KM • OFM330R/10KM • OFM330T/10KM • OFM331R/20KM • OFM331T/20KM

Order Info

OMCG01LC	Media Converter, 1000Base-T / 1000Base-X SFP
OFM310GT	SFP Transceiver, 1000Base-LX (Duplex LC), 1310nm, single-mode fiber, up to 10km
OFM311GT	SFP Transceiver, 1000Base-SX (Duplex LC), 850nm, multi-mode fiber, up to 550m
OFM314GT	SFP Transceiver, 1000Base-LX (Duplex LC), 1550nm, single-mode fiber, up to 50km <i>Note: Operation over short distances requires an attenuator (not included).</i>
OFM330T/3KM	WDM SFP Transceiver, 1000Base-BX-D (Simplex SC), Tx: 1550nm, Rx: 1310nm, single-mode fiber, up to 3km
OFM330R/3KM	WDM SFP Transceiver, 1000Base-BX-U (Simplex SC), Tx: 1310nm, Rx: 1550nm, single-mode fiber, up to 3km
OFM330T/10KM	WDM SFP Transceiver, 1000Base-BX-D (Simplex LC), Tx: 1550nm, Rx: 1310nm, single-mode fiber, up to 10km
OFM330R/10KM	WDM SFP Transceiver, 1000Base-BX-U (Simplex LC), Tx: 1310nm, Rx: 1550nm, single-mode fiber, up to 10km



OFM331T/20KM	WDM SFP Transceiver, 1000Base-BX-D (Simplex LC), Tx: 1550nm, Rx: 1310nm, single-mode fiber, up to 20km
OFM331R/20KM	WDM SFP Transceiver, 1000Base-BX-U (Simplex LC), Tx: 1310nm, Rx: 1550nm, single-mode fiber, up to 20km