



OMCG20SC-BXU

**1000Base-T / 1000Base-LX (SC) WDM Media Converter
(Tx:1310 nm, Rx:1550 nm, Single-mode, 20 km)**



OMCG20SC-BXU is a WDM media converter with one 1000Base-T port and one 1000Base-LX with SC connector for single-mode fiber cable (up to 20 km).

The ORIGO OMCG20SC-BXU media converter converts a twisted-pair 1000Base-T Gigabit Ethernet connection to a fiber 1000Base-LX Gigabit Ethernet connection.

OMCG20SC-BXU supports WDM technology and works in pair with OMCG20SC-BXD. The devices provide data reception and transmission at a distance of up to 20 km over one single-mode fiber cable using two different wavelengths. OMCG20SC-BXU transmits data over fiber strand using 1310 nm wavelength and receives data using 1550 nm wavelength.

Key Features

- Works in pair with OMCG20SC-BXD
- 1000Base-T RJ-45 port
- 1000Base-LX port with SC connector
- Supports single-mode fiber cable with a length of up to 20 km
- Tx: 1310 nm, Rx: 1550 nm wavelength
- Metal housing
- Power adapter included



Specifications

Hardware

Interfaces	• 10/100/1000Base-T (RJ-45) port • 1000Base-LX port with SC connector
Standards and Functions	• IEEE 802.3 10Base-T • IEEE 802.3u 100Base-TX • IEEE 802.3ab 1000Base-T • IEEE 802.3z 1000Base-LX • IEEE 802.3x Flow Control • Auto MDI/MDIX on copper port
LEDs	• PWR • Link/Act (SC) • Link/Act (RJ-45)
Fiber Cable Type	• Single-mode
Fiber Cable Length	• Up to 20 km
Wavelength	• Tx: 1310 nm, Rx: 1550 nm
Power	• Connector for connecting the DC 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	• External power adapter - 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	• OMCG20SC-BXU Media Converter • Power Adapter • Quick Installation Guide
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Optional Accessories

WDM Media Converter	• OMCG20SC-BXD
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Order Info

OMCG20SC-BXU	WDM Media Converter, 1000Base-T / 1000Base-LX (SC), Tx: 1310nm, Rx: 1550nm, single-mode, up to 20km
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