

## Product Highlights

The DMC-G02SC is a media converter designed to convert a twisted-pair 100/1000Base-T Gigabit Ethernet connection to a multi-mode fiber 1000Base-SX Gigabit Ethernet connection to extend a connection distance (up to 550 m) between two devices. This media converter is equipped with one RJ-45 for twisted-pair and one fiber optic SC port.



## DMC-G02SC

# 100/1000Base-T to 1000Base-SX SC Multi-Mode Media Converter (550 m)

Technical Specifications	
Hardware	
Interfaces	<ul style="list-style-type: none"> <li>• 1 x 10/100/1000Base-T port</li> <li>• 1 x 1000Base-SX SC port</li> </ul>
LEDs	<ul style="list-style-type: none"> <li>• PWR</li> <li>• Link/Act (SC)</li> <li>• Link/Act (RJ-45)</li> </ul>
Certifications	
Safety	<ul style="list-style-type: none"> <li>• LVD</li> </ul>
EMI/EMC	<ul style="list-style-type: none"> <li>• CE Class B</li> </ul>
Functionality	
Standards and Functions	<ul style="list-style-type: none"> <li>• IEEE 802.3 10Base-T</li> <li>• IEEE 802.3u 100Base-TX</li> <li>• IEEE 802.3ab 1000Base-T</li> <li>• IEEE 802.3z 1000Base-SX</li> <li>• IEEE 802.3x Flow Control in full-duplex mode</li> <li>• Auto MDI/MDIX adjustment for copper port</li> <li>• Link Fault Pass-through support for link status control</li> </ul>
Physical Parameters	
Dimensions (L x W x H)	<ul style="list-style-type: none"> <li>• 70.5 x 93.5 x 26 mm</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• 124 g</li> </ul>
Environmental Conditions	
Power Supply	<ul style="list-style-type: none"> <li>• 5 V DC, 0.55 A power adapter</li> </ul>
Max Power Consumption	<ul style="list-style-type: none"> <li>• 1.65 W</li> </ul>
Max Fiber Optic Cable Length	<ul style="list-style-type: none"> <li>• Up to 550 m</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>• Operating: 0 to 55 °C</li> <li>• Storage: -25 to 70 °C</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• 20% to 80% non-condensing</li> </ul>
Order Information	
Part Number	Description
DMC-G02SC	100/1000Base-T to 1000Base-SX SC Multi-Mode Media Converter (550 m)