

Product Highlights

The DMC-G10SC is a media converter designed to convert a twisted-pair 100/1000Base-T Gigabit Ethernet connection to a single-mode fiber 1000Base-LX Gigabit Ethernet connection to extend a connection distance (up to 10 km) between two devices. This media converter is equipped with one RJ-45 for twisted-pair and one fiber optic SC port.



DMC-G10SC

100/1000Base-T to 1000Base-LX SC Single-Mode Media Converter (10 km)

Technical Specifications	
Hardware	
Interfaces	<ul style="list-style-type: none"> • 1 x 10/100/1000Base-T port • 1 x 1000Base-LX SC port
LEDs	<ul style="list-style-type: none"> • PWR • Link/Act (SC) • Link/Act (RJ-45)
Certifications	
Safety	<ul style="list-style-type: none"> • LVD
EMI/EMC	<ul style="list-style-type: none"> • CE Class B
Functionality	
Standards and Functions	<ul style="list-style-type: none"> • 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 in full-duplex mode • Auto MDI/MDIX adjustment for copper port • Link Fault Pass-through support for link status control
Physical Parameters	
Dimensions (L x W x H)	<ul style="list-style-type: none"> • 70.5 x 93.5 x 26 mm
Weight	<ul style="list-style-type: none"> • 124 g
Environmental Conditions	
Power Supply	<ul style="list-style-type: none"> • 5 V DC, 0.55 A power adapter
Max Power Consumption	<ul style="list-style-type: none"> • 1.65 W
Max Fiber Optic Cable Length	<ul style="list-style-type: none"> • Up to 10 km
Temperature	<ul style="list-style-type: none"> • Operating: 0 to 55 °C • Storage: -25 to 70 °C
Humidity	<ul style="list-style-type: none"> • 20% to 80% non-condensing
Order Information	
Part Number	Description
DMC-G10SC	100/1000Base-T to 1000Base-LX SC Single-Mode Media Converter (10 km)