



### High-Performance Architecture:

- + One-channel media conversion between 1000Base-T and 1000Base-SX
- + Multi-mode fiber using SC connector
- + Auto negotiation of duplex mode on TX port
- + Auto MDI/MDI-X for TX port
- + Link Pass-Through function
- + Full wire-speed forwarding rate

## 1000BASE-SX Multimode Fiber to 1000BASE-T Converter

### Overview

The DMC-700SC by D-Link® is a media converter designed to connect 1000BASE-SX fiber to 1000Base-T copper media or vice versa. Based on the IEEE 802.3ab and 802.3z standards, the DMC-700SC is designed for use with multi-mode fiber cable utilizing the SC-Type connector. The DMC-700SC supports shortwave (SX) laser specifications

at a full wire-speed forwarding rate. Other features of this module include the ability to be used as a standalone device (no chassis required), Auto MDI/MDI-X for TX port, Auto negotiation of duplex mode on TX port, and front panel status LEDs. The DMC-700SC will transmit at extended fiber optic distances utilizing multimode fiber up to 550 meters.

## Technical Specifications

### Product/Performance Specifications

DMC-700SC	<ul style="list-style-type: none"> <li>• IEEE 802.3ab 1000BASE-TX</li> <li>• IEEE 802.3z 1000BASE-SX</li> </ul>
Duplex Mode	<ul style="list-style-type: none"> <li>• Full Duplex Mode</li> </ul>
LED Indicators	<ul style="list-style-type: none"> <li>• PWR, LNK/ACT</li> </ul>
Cable	<ul style="list-style-type: none"> <li>• 1000BASE-T</li> <li>• 4 pair Cat. 5, EIA/TIA-568 100-ohm twisted-pair (STP), up to 100m</li> <li>• 1000BASE-SX</li> <li>• 62.5/125µm multi-mode fiber optic cable, up to 550m</li> </ul>

### Physical & Environmental

Dimensions (D x W x H)	<ul style="list-style-type: none"> <li>• 4.8" x 3.5" x 1" (120.7mm x 88.9mm x 25.4mm)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• 0.7 lbs (0.3 kg)</li> </ul>
Power	<ul style="list-style-type: none"> <li>• External power adapter: 7.5V 1.5A</li> </ul>
Media Interface	<ul style="list-style-type: none"> <li>• RJ-45</li> <li>• SC</li> </ul>
EMI Compatibility	<ul style="list-style-type: none"> <li>• FCC Class A</li> <li>• VCCI Class A</li> <li>• CE Certification, Class A</li> </ul>
Operating Temperature	<ul style="list-style-type: none"> <li>• 32°F to 104°F (0°C to 40°C)</li> </ul>
Storage Temperature	<ul style="list-style-type: none"> <li>• -13°F to 158°F (-25°C to 70°C)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• 10% ~ 90% Non-condensing</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>• 5.5 Watts (maximum)</li> </ul>

### Warranty

Warranty	<ul style="list-style-type: none"> <li>• 2-Year limited Warranty<sup>1</sup></li> </ul>
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### Ordering Information

Part Number	Description
DMC-700SC	<ul style="list-style-type: none"> <li>• 1000BASE-SX Multimode Fiber to 1000BASE-T Converter</li> </ul>

<sup>1</sup> 2-Year limited warranty available only in the USA and Canada.

All references to speed are for comparison purposes only. Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.