

Product Highlights

Multi-speed Copper Port

Supports 10BASE-T, 100BASE-TX and 1000BASE-T through RJ-45 interface

Multi-speed fiber Port

Supports 100BASE-FX and 1000BASE-X using SFP interface

Multimode or single-mode fiber

Use hot-swappable SFPs to match appropriate fiber type

Built to Last

Rugged metal housing. Fanless. Reliability that businesses demand



DMC-G01LC

10/100/1000 to SFP Media Converter

Features

Compact Size

- Small footprint allows more free space for other networking devices
- Deploy wherever needed without occupying an entire rack slot

High Performance

- Cut-Through traffic forwarding
- Low latency
- Jumbo frames up to 9216 bytes

10/100/1000 Mbps Copper Connections

- Connect to 10 Mbps, 100 Mbps or 1000 Mbps copper connections

Variety of Fiber Types and Speeds

- Allows for Fast Ethernet and Gigabit speeds using different SFP modules
- Supports Multimode or Single-mode fiber using different SFP modules

Standalone Convenience

- Control costs by buying only the equipment your organization needs
- Expand capacity at your own pace

Powerful Ports

- Auto MDI/MDIX
- Auto-Negotiation
- Half-Duplex and Full-Duplex at 10/100 Mbps, Full-Duplex at 1000Mbps

Overview

D-Link's DMC-G01LC standalone media Converter turns a copper Ethernet link into a fiber link, allowing for an ultra-fast, long distance connection. Installation of a standalone media converter is simple, and allows you to tap into fiber speeds with ease. Instead of requiring an investment in an entire chassis, a standalone media converter provides the same high-quality conversion on a unit-by-unit basis. You can save space and cut costs while still extending your network over long distances of 10 km and beyond on a fiber optic line.

SFP Optical Transceivers for Maximum Flexibility

The fiber side of the DMC-G01LC utilizes a 100/1000 SFP port for maximum flexibility. Using the appropriate SFP transceiver (purchased separately) it can support either multimode or single-mode fiber, varying wavelengths, and speeds of either 100 Mbps or 1000 Mbps.

10/100/1000 Copper Speeds

The copper side of the DMC-G01LC auto-negotiates to 10Mbps, 100Mbps or 1000Mbps, ensuring the connection functions at the highest possible speed while remaining compatible with the link partner. It supports auto MDI/MDIX, half/full duplex operation at 10/100 Mbps and full duplex operation at 1000 Mbps.

Plug & Play

The DMC-G01LC supports standard technologies that makes it easy to operate, like 802.3u, 802.3x and 802.3ab. There's no management software to configure – simply connect the power, connect the cables, and start converting.

Technical Specifications

General

Maximum Forwarding Rate	10 Mbps: 14,880 pps 100 Mbps: 148,800 pps 1000 Mbps: 1,488,000 pps
Forwarding mode	Cut-Through
Packet Buffer Memory	256 Kbits
Switching Capacity	2 Gbps

Physical and Environmental

External Power Adapter	Switching 5V/1A Level V Power Adapter, ErP compliant
Power Consumption (Max.) at 240 V	DC 2.34 W AC 3.46 W
Power Consumption (Standby) at 240 V	DC 1.49 W AC 2.06 W
Heat Dissipation	11.81 BTU/h (Max.) 7.75 BTU/h (Standby)
Dimensions (L x W x H)	3.74 x 2.76 x 0.98in. / 95 x 70 x 25mm
MTBF (hours)	506,711
Operation Temperature	32 to 122 °F / 0 to 50 °C
Storage Temperature	14 to 158 °F / -10 to 70 °C
Operating Humidity	10 to 90%
Storage Humidity	5 to 90%

Emissions (EMI) and Safety Certifications

EMI	EMI: CE class A, FCC class A, VCCI class A, BSMI class A
Safety	LVD, UL/cUL

Features

LAN	1 x 10/100/1000 Mbps port IEEE 802.3u IEEE 802.3x IEEE 802.3ab Auto-Negotiation for each port Full-Duplex operation at 1000 Mbps Half/Full-Duplex operation at 10/100 Mbps Back pressure at Half-Duplex operation Auto MDI/MDIX Wire speed reception and transmission Supports Jumbo frames up to 9216 bytes at 1000 Mbps LLR (Link Loss Return) LLCF (Link Loss Carry Forward)
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DMC-G01LC 10/100/1000 to SFP Media Converter

Optional SFP Transceivers ¹		
DEM-211	100BASE-FX Multimode Fiber SFP Transceiver, 1310nm	
DEM-310GT	1000BASE-LX Single-mode fiber SFP Transceiver, 1310nm	
DEM-311GT	1000BASE-SX Multimode Fiber SFP Transceiver, 850nm	
DGS-712	1000BASE-T Copper SFP Transceiver	
Ordering Information		
Product	Description	Warranty
DMC-G01LC	10/100/1000 to SFP Media Converter	2 Year Limited

¹ These D-Link transceivers have been tested with this device for interoperability. Compatibility with other third party transceivers has not been tested and is not guaranteed. Use third party transceivers at your own risk.

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For more information

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