

Product Highlights

Compact Form Factor

- D-Link Media Converter series offers signal conversion in a compact device

Utilize Your Fiber

- Send a fiber signal over a variety of distances, with a selection of models suitable for 550 m, 10 km or 20 km

Reliable Technology

- The Standalone Media Converters adhere to industry standards and are compliant with 802.3u & 802.3x.
- DMC-G550SC, DMC-G1000SC & DMC-G2000SC Series Standalone Media Converters



DMC - G550SC | DMC - G1000SC | DMC-G2000SC 1000M Media Converter

Features

Small Size

- Tiny footprint allows you to keep space free for other networking devices
- Deploy it wherever you need without occupying an entire rack slot

High Performance

- Store & forward traffic forwarding
- Low latency

Variety

- DMC-G550SC, DMC-G1000SC & DMC-G2000SC provides data rates at Gigabit speeds
- Fiber distance options vary from 550 m to 20 km
- Control costs by buying only the equipment your organization needs
- Auto MDI/MDIX
- Auto-Negotiation
- Status LED's for information

D-Link Media Converters turn an Ethernet connection into fiber, allowing for ultra-fast long-distance connections. DMC Series extend your network over long distances up to 10 km on a fiber-optic line. In addition to all models supporting 10/100 Mbps Half/Full-duplex, the DMC-G550SC, DMC-G1000SC & DMC-G2000SC also allows for 1000 Mbps Full-Duplexing, letting you truly maximize your network's potential.

Extend Your Network

Twisted-pair cabling is essential in network, however only fiber optics can go for longer distances. Using D-Link's converters you can change a twisted-pair Ethernet connection into a single-mode or multi-mode fiber connection which can support for distances from 550 m to 20 km.

Compact Design

Its compact size fits anywhere and does not require an entire rack. Measuring just 70 mm wide by 94 mm long by 26 mm high. This allows for convenient installation wherever it is needed, especially in limited space environments such as telecommunication cabinets or a distribution box.

Plug & Play

The media converters offered by D-Link include several industry-standard technologies that make them easy to operate, like 802.3u/x/ab. Auto-MDI/MDIX and Auto-Negotiation make sure your cable connection functions at the highest possible speed while remaining compatible. It is simple plug & play device & there is no requirement of any additional management software to configure it.

Instructions on Media Converter Panel

Instructions on Front Panel

Identification for front panel of the media converter is shown below:



a. Identification of Media Converter

TX - transmitting terminal; RX - receiving terminal.

b. PWR

Power Indicator Light – “ON” means normal operation of DC 5V power supply adaptor.

c. 1000M Indicator Light

“ON” means the rate of the electric port is 1000 Mbps, while “OFF” means the rate is 100 Mbps.

d. LINK/ACT (FP)

“ON” means connectivity of the optical channel; “FLASH” means data transfer in the channel;
“OFF” means non-connectivity of the optical channel.

e. LINK/ACT (TP)

“ON” means connectivity of the electric circuit; “FLASH” means data transfer in the circuit;
“OFF” means non-connectivity of the electric circuit.

f. SD Indicator Light

“ON” means input of optical signal; “OFF” means non input.

g. FDX/COL:

“ON” means full duplex electric port; “OFF” means half-duplex electric port.

h. UTP

Unshielded twisted pair port;

Technical Specifications			
Model	DMC-G550SC	DMC-G1000SC	DMC-G2000SC
Description	10/100/1000 Base-T to 1000 Base-SX	10/100/1000 Base-T to 1000 Base-LX	10/100/1000 Base-T to 1000 Base-LX
Fiber wavelength	850nm	1310nm	1310nm
max distance	550m	10Km	20Km
Ports	One RJ - 45 and One Fiber port (Duplex SC type connector)	One RJ - 45 and One Fiber port (Duplex SC type connector)	One RJ - 45 and One Fiber port (Duplex SC type connector)
Mode	Multi - mode	Single - mode	Single - mode
Used with	Standalone only	Standalone only	Standalone only
Auto MDI support	Yes		
Operating Temperature	0° C to 50° C		
Storage Temperature	-20° C to 70° C		
Operating Humidity	5% to 90% non - condensing		
Operating Voltage	AC 240V or DC +5V	AC 240V or DC +5V	AC 220V or DC +5V
Forwarding mode	Store and Forward		
Packet Buffer Memory	1Mbit		
External Power Adapter	Yes		
Power Consumption (Max.) at 240 V	3W		
Power Consumption (Standby) at 240 V	1.3W		
MTBF (hours)	10,000hours		
Emission (EMI) & Safety Certifications	CE, FCC, RoHS		
Dimensions	94×70×26mm		

Order Information	
Part Number	Description
DMC- G550SC	550M, 1000 Base-T to 1000 Base-SX
DMC - G1000SC	10KM, 1000 Base-T to 1000 Base-LX
DMC - G2000SC	20KM, 1000 Base-T to 1000 Base-LX