

Gigabit Media Converter

Copper Gigabit to Fiber Gigabit

- 1000BASE-T to 1000BASE-LX Signal Conversion
- Up to 15 km Single-Mode Fiber Cable Distance
- Single Fiber Strand for Transmission/Reception
- Minimal Reflection, No Budget Loss

FEATURES

- 1000BASE-T to 1000BASE-LX Signal Conversion
- Up to 15 km Single-Mode Fiber Cable Distance
- Single Fiber Strand for Transmission/Reception
- Full Duplex operation
- 802.3x Flow Control Support
- Manageable Through Intelligent Chassis System
- LLR (Enable/Disable), Fiber (Auto-Negotiation/Manual) Functions
- Installable as Stand-Alone Device or in Rack-Mount Chassis

The D-Link DMC-1910 Fiber Media Converter converts 1000BASE-T copper Gigabit signals to 1000BASE-LX fiber Gigabit signals. This allows you to connect longer distance fiber cables between two devices that are designed only for shorter distance Cat. 5 twisted-pair cable.

The DMC-1910 media converter combines transmitting and receiving signals onto one fiber strand using two wavelengths. This design avoids the budget losses incurred by the single-wavelength single-fiber technology, and minimizes any possibility of reflections in the system. The DMC-1910 consists of two units. One unit uses one wavelength to transmit and a second wavelength to receive, while the other flips that relationship. Two different types of transmitting wavelength are supported: one WDM bi-directional wavelength for both transmission and reception.

Both units of the DMC-1910 media converter are encased in a solid metal housing with LED status indicators. The DMC-1910 can be used as stand-alone converter, or installed in a DMC-1000 chassis. In case you install it in the chassis, you will remove the metal cases of the two units and slide in their PC boards into the chassis slots. The chassis's power supply will be used instead of the media converters' own AC to DC power adapter. The media converter is hot swappable when used with the chassis.



Product Specifications

Standards

- 802.3ab 1000BASE-T
- 802.3z 1000BASE-LX

Conversion Scheme

Pair of one-channel single-mode fiber media conversion between 1000BASE-T and 1000BASE-LX

Wavelength

- 2 different types of transmitting wavelength
- 1 wavelength with WDM bi-directional for both transmit and receive
- DMC-1910R: TX: 1310 micron; RX: 1550 micron
- DMC-1910T: TX: 1550 micron; RX: 1310 micron

Connectors

- 1000BASE-T: RJ-45 connector
- 1000BASE-LX: LC connector

Cables

- 1000BASE-T: Cat. 5 twisted-pair cable (up to 100 m)
- 1000BASE-LX: single-mode fiber cable (up to 15 km)

Full Duplex

Full-duplex mode support on 1000BASE-T Gigabit port

Auto MDI/MDIX

Auto MDI/MDIX on 1000BASE-T port

Transmission Method

Store-and-forward mechanism

Flow Control

Back-pressure & IEEE 802.3x compliant flow control

Forwarding Rate

Full wire-speed forwarding rate

Installation Methods

- Stand-alone device
- Installable module in DMC-1000 chassis

Hot Swap

Hot-swappable when installed in DMC-1000 chassis

Management

Through DMC-1000 chassis with DMC-1002 management module installed

Management Functions

- LLR (Enable/Disable)
- Fiber (Auto-Negotiation/Manual)

Physical & Environmental

Power Supply

Through AC power adapters (when used as stand-alone device)

Power Consumption

5.5 Watts(max.) (for each DMC-1910R and DMC-1910T unit)

Operating Temperature

0° to 40°C (32 to 104°F)

Storage Temperature

-10° to 70°C (-26° to 158°F)

Operating Humidity

10 to 90%, non-condensing

Dimensions

120 (L) × 88 (W) × 25 (H) mm (for both DMC-1910R and DMC-1910T units)

EMI

- FCC Class B
- VCCI Class B
- CE Class B
- C-Tick

Box Includes

- DMC-1910R unit
- DMC-1910T unit
- 2 AC power adapters
- User's Manual
- Quick Installation Guide



D-Link Worldwide Offices

U.S.A.	TEL: 1-800-326-1688	FAX: 1-866-743-4905	Luxemburg	TEL: 32-(0)2-517-7111	FAX: 32-(0)2-517-6500
Canada	TEL: 1-905-8295033	FAX: 1-905-8295223	Poland	TEL: 48-(0)-22-583-92-75	FAX: 48-(0)-22-583-92-76
Europe (U. K.)	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511	Hungary	TEL: 36-(0)-1-461-30-00	FAX: 36-(0)-1-461-30-09
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300	Singapore	TEL: 65-6774-6233	FAX: 65-6774-6322
France	TEL: 33-1-30238688	FAX: 33-1-30238689	Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
Netherlands	TEL: 31-10-282-1445	FAX: 31-10-282-1331	India	TEL: 91-022-26526696	FAX: 91-022-26528914
Belgium	TEL: 32(0)2-517-7111	FAX: 32(0)2-517-6500	Middle East (Dubai)	TEL: 971-4-3916480	FAX: 971-4-3908881
Italy	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723	Turkey	TEL: 90-212-289-56-59	FAX: 90-212-289-76-06
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901	Egypt	TEL: 202-414-4295	FAX: 202-415-6704
Denmark	TEL: 45-43-969040	FAX: 45-43-424347	Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
Norway	TEL: 47-99-300-100	FAX: 47-22-309580	LatinAmerica	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Finland	TEL: 358-9-2707 5080	FAX: 358-9-2707-5081	Brazil	TEL: 55-11-218-59300	FAX: 55-11-218-59322
Spain	TEL: 34-93-4090770	FAX: 34-93-4910795	South Africa	TEL: 27-12-665-2165	FAX: 27-12-665-2186
Portugal	TEL: 351-21-8688493		Russia	TEL: 7-095-744-0099	FAX: 7-095-744-0099 #350
Czech Republic	TEL: 420-(603)-276-589		China	TEL: 86-10-58635800	FAX: 86-10-58635799
Switzerland	TEL: 41-(0)-1-832-11-00	FAX: 41(0)-1-832-11-01	Taiwan	TEL: 886-2-6600-0123	FAX: 886-2-6600-1188
Greece	TEL: 30-210-9914 512	FAX: 30-210-9916902	Headquarters	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299