



DMC-920

DMC-920 Single-Fiber Media Converter

This media converter combines transmit and receive signals onto one fiber strand using two wavelengths. This design avoids the budget losses incurred by the single-wavelength single-fiber technology, and minimizes the possibility of reflections in the system. The units on both ends of a link are different. One module uses one wavelength to transmit and a second wavelength to receive, while the other module flips that relationship. For this reason these units are used in pairs.

A pair of one-channel single fiber is used for media conversion between 10/100BASE-TX and 100BASE-FX. Two different transmitting wavelengths, one wavelength with bi-directional for both transmit and receive.

- **DMC-920R:** This media converter provides 1310 micron for TX, 1550 micron for RX.

- **DMC-920T:** This media converter provides 1550 micron for TX, 1310 micron for RX.

Fiber cable support is 9/125um, 10/125um single-mode fiber, maximum 20 km cable distance.

Features

- Auto negotiation of speed and duplex mode on TX port
- Auto MDI/MDIX on TX port
- One slide switch for configuring fixed half/full duplex modes
- Store-and-forward mechanism
- Back-pressure & IEEE 802.3x Flow Control compliant
- Full wire-speed forwarding rate
- Front panel status LEDs
- Can be used as a stand-alone device or with chassis
- Hot-swappable when used with chassis
- Manageable through Intelligent Chassis System

DMC-920

Technical Specifications

Media Converter

Standards

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX, 100BASE-FX

Device Ports

- 10/100BASE-TX port
- 100BASE-FX Single Fiber FX port (SC connector)

Forwarding rate

148,800 pps max.

LED Indicators

Per device:

- Power
- Speed (100Mbps)

Per port:

- Full Duplex/Collision
- LINK/ACT

Power Input

- 7.5V 1.5A
- Through external power adapter

Power Consumption

7.2 watts max.

Dimensions

120 × 88 × 25 mm

Weight

305 gram

Operating Temperature

0 °to 40 °C

Storage Temperature

-25 °to 70 °C

Humidity

10% to 90%, non-condensing

Emissions (EMI)

- FCC Class B
- CISPR Class B
- VCCI Class B
- CE Class B

Box Includes

- DMC-920R and DMC-920T Single-Fiber Media Converters
- 2 external power adapters
- User's Guide
- Quick Installation Guide



Ordering Information

DMC-920

Fast Ethernet Twisted-pair to Fast Ethernet Single-mode Fiber (20km, SC) Media Converter

Please specify your order as follows:

DMC-920/A	with US standard power adapter
DMC-920/B	with UK standard power adapter
DMC-920/E	with EU standard power adapter
DMC-920/N	with Australia standard power adapter
DMC-920/CN	for China
TDMC-920	for Taiwan

D-Link®

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Europe	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300
France	TEL: 33-1-30238688	FAX: 33-1-30238689
Benelux	TEL: 31-10-282-1445	FAX: 31-10-282-1331
Italy	TEL: 39-2-2900-0676	FAX: 39-2-2900-1723
Iberia	TEL: 34-93-4090770	FAX: 34-93-4910795
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
Norway	TEL: 47-22-309075	FAX: 47-22-309085
Denmark	TEL: 45-43-969040	FAX: 45-43-424347
Finland	TEL: 358-9-2707-5080	FAX: 358-9-2707-5081
Singapore	TEL: 65-6774-6233	FAX: 65-6774-6322
Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
Japan	TEL: 81-3-5434-9678	FAX: 81-3-5434-9868
China	TEL: 86-10-8518-2533	FAX: 86-10-8518-2250
India	TEL: 91-22-652-6696	FAX: 91-22-652-8914
Middle East	TEL: 9714-8834234	FAX: 9714-8834394
Turkey	TEL: 90-212-335-2553	FAX: 90-212-335-2500
Chile	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brasil	TEL: 55-11-3094-2910	FAX: 55-11-3094-2921
South Africa	TEL: 27(0)1266-52165	FAX: 27(0)1266-52186
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RECYCLABLE
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