



Media Converter with Individual Metal Case Housing.

DMC-1000 Chassis

## Chassis-based Media Converters

### System Overview

The Chassis-based Media Converters include a number of independent media converters and a chassis capable of housing up to 16 media converters. You can start with single media converters, each equipped with its own housing and AC power adapter. When your requirements grow big, you can mount a chassis in your equipment rack and install your media converters in the chassis. The housing of each media converter can be easily removed, and the media converter PC board can be slid into the chassis.

### Chassis & Power Supply

The chassis lets you install multiple media converters in an equipment rack together with the network devices for which they provide media conversion. This provides for space saving, and the cabling will look neat. The chassis comes with its own universal AC to DC power supply. For maximum power availability, an optional redundant power supply is available for installation in chassis.

### Media Converters Stand-alone or Installed in Chassis

The media converters convert signals capable of transmission on one type of cable to signals capable of transmission on another type of cable. This allows you to

connect longer distance fiber cables between devices that are designed only for shorter distance cables, such as the Cat. 5 twisted-pair cable.

All media converters in this system come with their own solid metal case housing, LED status indicators and AC to DC power adapters. They can be used as stand-alone converters, or installed in the chassis. In case you install them in the chassis, you will remove their metal cases 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 adapters. All media converters are hot-swappable when used with the chassis.

### Media Conversion Solutions

The following media conversion solutions are available:

- Fast Ethernet twisted-pair to Fast Ethernet 100BASE-FX Fiber (single-mode and multi-mode)
- Fast Ethernet 100BASE-FX fiber multi-mode to single-mode
- 1000BASE-T Gigabit twisted pair to 1000BASE-SX and 1000BASE-LX Gigabit fiber

For fiber cables, MT-RJ and SC types of connectors are supported.

### Chassis Features

- 16 bays to house up to 16 media converters
- Front panel LEDs for bay and fan power status
- Standard 19-inch rack-mountable with, 2U height
- Non-stop operation & minimal downtime
- Allows hot-swapping of media converters
- Hot swappable redundant power supplies
- Cooling fans on back side (together with power supplies)
- Power redundancy & power isolation
- 1 universal internal AC to DC power supply provided
- Optional second AC to DC power supply for load-sharing purpose
- Media converter power isolation for electrical isolation from each bay

## DMC-1000 Chassis

### LED indicators

- Power LED
- Fan LED

### Dimensions

415 x 390 x 89 mm

### AC input

- 100-240 VAC, 50/60Hz
- Internal universal power supply

### Operation Temperature

0° - 40°C

### Storage Temperature

-10° - 50°C

### Operation Humidity

10% - 90%

### Storage Humidity

5% - 90%

### Emission (EMI)

- FCC class A
- VCCI class A
- CE Class A

## Ordering Information

### Chassis-based Media Converter

**DMC-1000** Media Converter Chassis

### Optional Media Converter Modules

<b>DMC-300M</b>	Fast Ethernet Twisted-pair to Fast Ethernet Multi-mode Fiber (2km, MT-RJ) Media Converter Module
<b>DMC-300SC</b>	Fast Ethernet Twisted-pair to Fast Ethernet Multi-mode Fiber (2km, SC) Media Converter Module
<b>DMC-515SC</b>	Fast Ethernet Twisted-pair to Fast Ethernet Single-mode Fiber (15km, SC) Media Converter Module
<b>DMC-530SC</b>	Fast Ethernet Twisted-pair to Fast Ethernet Single-mode Fiber (30km, SC) Media Converter Module
<b>DMC-560SC</b>	Fast Ethernet Twisted-pair to Fast Ethernet Single-mode Fiber (60km, SC) Media Converter Module
<b>DMC-615SC</b>	Fast Ethernet Multi-mode Fiber (2km SC) to Fast Ethernet Single-mode Fiber (15km, SC) Media Converter Module
<b>DMC-700SC</b>	1000BASE-T Gigabit Twisted-pair to 1000BASE-SX Gigabit Fiber Multi-mode Fiber (550m, SC) Media Converter Module
<b>DMC-810SC</b>	1000BASE-T Gigabit Twisted-pair to 1000BASE-LX Gigabit Fiber Single-mode Fiber (10km, SC) Media Converter Module

### Optional Redundant Power Supply

**DMC-1001** Redundant Power Supply

## DMC-300M, DMC-300SC Media Converters

*These converters convert 10/100Mbps 10BASE-T/100BASE-TX Fast Ethernet twisted-pair signals to 100BASE-FX Fast Ethernet multi-mode fiber signals. Maximum fiber cable distance is 2km. 1 RJ-45 twisted-pair port and 1 fiber port are provided.*

- *DMC-300M: the fiber port on this media converter is the MT-RJ connector.*
- *DMC-300SC: the fiber port on this media converter is the SC connector.*

### Media Converter Features

- One-channel media conversion between 10BASE-T/100BASE-TX and 100BASE-FX
- Fiber MT-RJ or SC connector
- Auto negotiation of speeds and duplex modes on twisted-pair port
- Auto MDI-II and MDI-X
- 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

### Technical Specifications

#### LED Indicators

- Power
- 100Mbps Speed (for twisted-pair port)
- Full Duplex/Collision (for twisted-pair and fiber ports)
- LINK/ACT (for twisted-pair port)

#### Housing Dimensions

120 x 88 x 25 mm

#### Power Input

- 7.5V 1.5A
- Through external AC power adapter

#### Operation Temperature

0° - 40°C

#### Storage Temperature

-25° - 70°C

#### Humidity

10 ~ 90% non-condensing

#### Emission (EMI) - FCC Class B

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

## DMC-515SC, DMC-530SC, DMC-560SC Media Converters

These converters convert 10/100Mbps 10BASE-T/100BASE-TX Fast Ethernet twisted-pair signals to 100BASE-FX Fast Ethernet single-mode fiber signals. Maximum fiber cable distance is 15 - 60 km. 1 RJ-45 twisted-pair port and 1 fiber port (SC connector) are provided.

- DMC-515SC: this media converter supports maximum 15km fiber cable distance.
- DMC-530SC: this media converter supports maximum 30km fiber cable distance.
- DMC-560SC: this media converter supports maximum 60km fiber cable distance.

### Media Converter Features

- One-channel media conversion between 10BASE-T/100BASE-TX and 100BASE-FX
- Fiber SC connector
- Auto negotiation of speeds and duplex modes on twisted-pair port
- Auto MDI-II and MDI-X
- 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

### Technical Specifications

#### LED Indicators

- Power
- 100Mbps Speed (for twisted-pair port)
- Full Duplex/Collision (for twisted-pair and fiber ports)
- LINK/ACT (for twisted-pair port)

#### Dimensions

120 x 88 x 25 mm

#### Power Input

- 7.5V 1.5A
- Through external AC power adapter

#### Operation Temperature

0° - 40°C

#### Storage Temperature

-25° - 70°C

#### Humidity

10 ~ 90% non-condensing

#### Emission (EMI)

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

## DMC-615SC Media Converter

This converter converts 100BASE-FX Fast Ethernet multi-mode fiber signals to 100BASE-FX Fast Ethernet single-mode fiber signals. Maximum fiber cable distance is 15km. 2 fiber ports (SC connectors) are provided.

### Media Converter Features

- One-channel media conversion between 100BASE-FX multi-mode to 100BASE-FX single-mode fiber
- 2 fiber SC connectors
- Store-and-forward mechanism
- 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

### Technical Specifications

#### LED Indicators

- Power
- LINK-1
- LINK-2

#### Dimensions

120 x 88 x 25 mm

#### Power Input

- 7.5V 1.5A
- Through external AC power adapter

#### Operation Temperature

0° - 40°C

#### Storage Temperature

-25° - 70°C

#### Humidity

10 ~ 90% non-condensing

#### Emission (EMI)

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

## DMC-700SC, DMC-810SC Media Converters

*DMC-700SC Media Converter: This converter converts 1000BASE-T Gigabit twisted-pair signals to 1000BASE-SX Gigabit multi-mode fiber signals. Maximum fiber cable distance is 550m. 1 RJ-45 twisted-pair port and 1 fiber port (SC type connector) are provided.*

*DMC-810SC Media Converter: This converter converts 1000BASE-T Gigabit twisted-pair signals to 1000BASE-LX Gigabit single-mode fiber signals. Maximum fiber cable distance is 10km. 1 RJ-45 port and 1 fiber port (SC type connector) are provided.*

### Media Converter Features

- One-channel media conversion between 1000BASE-T and 1000BASE-SX/LX
- Auto negotiation of duplex mode on twisted-pair port
- Auto MDI-II/MDI-X for twisted-pair port
- 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

### Technical Specifications

#### LED Indicators

- Power (PWR) - LINK/ACT
- Housing Dimensions
- 120 x 88 x 25 mm

#### Power Input

- 7.5V 1.5A
- Through external AC power adapter

#### Operating Temperature

0° - 40°C

#### Storage Temperature

-25° - 70°C

#### Humidity

10 ~ 90% non-condensing

#### Emission (EMI)

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



## D-Link®

Specifications subject to change without prior notice. D-Link is a registered trademark of D-Link Corporation/D-Link System Inc. All other trademarks belong to their proprietors.

<b>U.S.A.</b>	TEL: 1-949-788-0805	FAX: 1-949-753-7033	www.dlink.com
<b>Canada</b>	TEL: 1-905-8295033	FAX: 1-905-8295095	www.dlink.ca
<b>Europe</b>	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511	www.dlink.co.uk
<b>U.K.</b>	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511	www.dlink.co.uk
<b>Germany</b>	TEL: 49-6196-77990	FAX: 49-6196-7799300	www.dlink.de
<b>France</b>	TEL: 33-1-30238688	FAX: 33-1-30238689	www.dlink-france.fr
<b>Benelux</b>	TEL: 31-40-2668713	FAX: 31-40-2668666	www.dlink-benelux.nl
<b>Italy</b>	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723	www.dlink.it
<b>Iberia</b>	TEL: 34-93-4090770	FAX: 34-93-4910795	www.dlinkiberia.es
<b>Sweden</b>	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901	www.dlink.se
<b>Norway</b>	TEL: 47-22-991890	FAX: 47-22-207039	
<b>Denmark</b>	TEL: 45-43-969040	FAX: 45-43-424347	www.dlink.dk
<b>Finland</b>	TEL: 358-9-622-91660	FAX: 358-9-622-91661	www.dlink-fi.com
<b>Singapore</b>	TEL: 65-774-6233	FAX: 65-774-6322	www.dlink-intl.com
<b>Australia</b>	TEL: 61-2-94177100	FAX: 61-2-94171077	www.dlink.com.au
<b>Japan</b>	TEL: 81-3-5434-9678	FAX: 81-3-5434-9868	www.dlink.co.jp
<b>China</b>	TEL: 86-10-8809-7777	FAX: 86-10-8809-6789	
<b>India</b>	TEL: 91-22-652-6696	FAX: 91-22-652-8914	www.dlink-india.com
<b>Middle East</b>	TEL: 202-6356176	FAX: 202-6356192	www.dlink-me.com
<b>South America</b>	TEL: 56-2-232-3185	FAX: 56-2-232-0923	www.dlink.cl
<b>South Africa</b>	TEL: 27(0)126652165	FAX: 27(0)126652186	www.d-link.co.za
<b>Russia</b>	TEL: 7-095-737-3389	FAX: 7-095-737-3390	www.dlink.ru
<b>Taiwan</b>	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515	www.dlinktw.com.tw
<b>D-Link Corp.</b>	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299	www.dlink.com.tw



RECYCLABLE

Rev. 01 (Jan. 2002)

Printed in Taiwan