

## Highlights

### High-Speed Networking

10 Gigabit connectivity providing fast data transfers and maximising network bandwidth

### Compact Form Factor

Small footprint allows it to be installed anywhere and does not require an additional chassis

### Connect Over Longer Distances

Send a fibre signal over a variety of distances by installing your choice of SFP modules



## DMC-905

# 10 Gigabit Ethernet Media Converters

## Features

### Small Size

- Tiny footprint allows you to keep space free for other networking devices
- Deploy it wherever you need without having to install an additional chassis

### High Performance

- 10 Gigabit speeds
- Full wire-speed forwarding rate

### Variety

- 10G/5G/2.5G/1G multi-Gigabit support on Ethernet port
- Allows for 10 Gigabit speeds and a wide array of SFP+ modules

### Standalone Convenience

- Control costs by buying only the equipment your organisation needs

The DMC-905 10 Gigabit Ethernet Media Converter operates as a media converter at different data rates up to 10 Gigabit Ethernet. Equipped with one SFP+ slot and one RJ-45 port, the device is designed to couple network segments that operate at the same speed.

This transceiver can be used in the central wiring closet to meet the needs of long-distance and high-speed Ethernet transmission and is ideal for telecommunications, broadcasting, and broadband network applications.

## No Wasted Space

Its compact size fits anywhere and does not require an additional chassis. Measuring just 94 x 69 x 25 mm, this allows for convenient installation wherever it is needed, especially in limited space environments such as telecommunication cabinets or a distribution box.

# DMC-905 10 Gigabit Ethernet Media Converter

## Technical Specifications

### Interface

Number of Ports	<ul style="list-style-type: none"><li>• 1 x 10G/5G/2.5G/1G RJ-45 port</li></ul>	<ul style="list-style-type: none"><li>• 1 x 10GBASE-X SFP+ port</li></ul>
Standards	<ul style="list-style-type: none"><li>• IEEE 802.3ab 1000BASE-T</li><li>• IEEE 802.3bz 2.5G/5GBASE-T</li><li>• IEEE 802.3an 10GBASE-T</li></ul>	<ul style="list-style-type: none"><li>• IEEE 802.3ae 10Gbps Ethernet</li><li>• IEEE 802.3x full-duplex flow</li></ul>
Duplex Mode	<ul style="list-style-type: none"><li>• Half-duplex</li></ul>	<ul style="list-style-type: none"><li>• Full-duplex</li></ul>
Media Types	<ul style="list-style-type: none"><li>• 10G/5G/2.5G/1G:<ul style="list-style-type: none"><li>• 10G-Cat 6A/Cat 7</li><li>• 5G-Cat 6/Cat 6A/Cat 7</li><li>• 1G/2.5G-Cat 5e/Cat 6/Cat 6A/Cat 7 UTP (max 100m)</li></ul></li></ul>	<ul style="list-style-type: none"><li>• 10GBASE-LR/SR<ul style="list-style-type: none"><li>• 50/125 <math>\mu</math>m or 62.5/125 <math>\mu</math>m multi-mode fiber optic cable, up to 300 m</li><li>• 9/125 <math>\mu</math>m single-mode fiber optic cable, up to 80 km</li><li>• Duplex/single fiber LC connector</li></ul></li></ul>
Media Exchange Interface	<ul style="list-style-type: none"><li>• Auto-MDI/MDIX</li></ul>	

### Functionality

Transmission Mode	<ul style="list-style-type: none"><li>• Store-and-forward</li></ul>
Forwarding Rate	<ul style="list-style-type: none"><li>• Full wire-speed forwarding rate</li></ul>

### Physical

AC Input	<ul style="list-style-type: none"><li>• 12V DC external power adapter</li></ul>
Temperature	<ul style="list-style-type: none"><li>• Operating: 0 to 55 °C</li><li>• Storage: -20 to 70 °C</li></ul>
Humidity	<ul style="list-style-type: none"><li>• 5% to 90% RH (non-condensing)</li></ul>
Dimensions	<ul style="list-style-type: none"><li>• 94 x 69 x 25 mm</li></ul>
Weight	<ul style="list-style-type: none"><li>• 0.32 kg</li></ul>
Emission Certifications (EMI)	<ul style="list-style-type: none"><li>• FCC</li><li>• LVD</li><li>• CE</li></ul>



For more information: [eu.dlink.com](http://eu.dlink.com)