D-Link®
Building Networks for People

DMC Series
Media Converters and Chassis

Features

Fast and Easy to Use

• One/Two channel 10/100/1000 Mbps Ethernet to 10/100 Mbps fibre optic conversion
• Plug-and-Play, no additional software required
• Can be used standalone or installed in the DMC-1014 chassis
• Half or full-duplex operation
• Auto-MDI/MDIX

Easy Placement and Monitoring

• Mount up to 14 media converters in the specially designed DMC-1014 Media Converter Chassis
• Dedicated power supply for powering the chassis and all installed media converters
• Hot-swappable when mounted
• Front panel LEDs for instant status feedback

The DMC Series Media Converters and Chassis are a set of standalone Plug-and-Play media converters that offer increased flexibility when expanding a new or existing network. The DMC Series provides network administrators with a wide variety of solutions to expand networks over a greater distance while maintaining compatibility with existing network equipment.

Meanwhile, the DMC-1014 Media Converter Chassis provides a practical solution for installing multiple media converters in one convenient chassis. This both saves space and optimises cable placement.

Flexible Media Conversion

Media converters convert signals that are transmitted from one type of media to another so that they can be transmitted over a different type of media. This series of media converters converts 10/100/1000 Mbps coppper Ethernet to a 10/100 Mbps fibre optic connection. This allows you to expand your network by connecting longer distance, high-speed fibre optic cables between devices that are otherwise connected with short distance Ethernet cables, such as Cat. 6 twisted-pair cables.

Dedicated Storage Solution

The DMC Series product lineup includes a wide range of independent media converters as well as the DMC-1014 Media Converter Chassis, capable of housing up to 14 media converters. You can start with a single media converter, equipped with its own housing and AC power supply. As network requirements grow, you can mount the DMC-1014 in your equipment rack and conveniently install all your media converters into the chassis. The housing of each media converter can be easily removed, allowing it to be installed into the chassis. The installed converter module is then powered by the chassis' power supply.

Gigabit Ethernet Media Converters

	DMC-810SSC	DMC-820SSC	DMC-840SSC
Interface			
Number of Ports	•1 x 10/100/1000BASE-T RJ-45 port •1 x 1000BASE-SX/LX SC port	•1 x 10/100/1000BASE-T RJ-45 port •1 x 1000BASE-SX/LX SC SFP port	•1 x 10/100/1000BASE-T RJ-45 port •1 x 1000BASE-SX/LX SC port
Standards	• IEEE 802.3ab for 1000BASE-TX • IEEE 802.3z for 1000BASE-SX/LX	• IEEE 802.3ab for 1000BASE-TX • IEEE 802.3z for 1000BASE-SX/LX	• IEEE 802.3ab for 1000BASE-TX • IEEE 802.3z for 1000BASE-SX/LX
Duplex Mode	• Full-duplex	• Full-duplex	• Full-duplex
Media Types	• 1000BASE-T: 4-pair Cat. 5, Shielded Twisted Pair (STP) (up to 100 m) •1000BASE-LX: Single -mode fiber optic cable with SC connector (up to 10km)	• 1000BASE-T: 4-pair Cat. 5, Shielded Twisted Pair (STP) (up to 100 m) • 1000BASE-LX: Single-mode fiber optic cable with SC connector (up to 20 km)	• 1000BASE-T: 4-pair Cat. 5, Shielded Twisted Pair (STP) (up to 100 m) • 1000BASE-LX: Single-mode fiber optic cable with SC connector (up to 40km)
Media Exchange Interface	• Auto-MDI/MDIX	• Auto-MDI/MDIX	• Auto-MDI/MDIX
Functionality			
Transmission Mode	• Store-and-forward	• Store-and-forward	• Store-and-forward
Forwarding Rate	• Full wire-speed forwarding rate	• Full wire-speed forwarding rate	• Full wire-speed forwarding rate
Physical			
AC Input	• 5 V/1 A external power adapter	• 5 V/1 A external power adapter	• 5 V/1 A external power adapter
Temperature	• Operating: 0 °C to 60 °C • Storage: -20 °C to 70 °C	• Operating: 0 °C to 60 °C • Storage: -20 °C to 70 °C	• Operating: 0 °C to 60 °C • Storage: -20 °C to 70 °C
Humidity	• 5% to 90% RH, non-condensing	• 5% to 90% RH, non-condensing	• 5% to 90% RH, non-condensing
Dimensions	• 95x 70 x 26 mm	• 95 x 70 x 26 mm	• 95 x 70 x 26 mm
Fiber Wavelength	• 1310 nm	• 1310 nm	• 1310 nm
Supported Fiber Cable Length	• Up to 10km	• Up to 20 km	• Up to 40 km
Emission Certifications (EMI)	• FCC • CE • VCCI	• FCC • CE • VCCI	• FCC • CE • VCCI