

Product Highlights

Flexible Selection

A wide range of single-channel media converters, suitable for expanding any network depending on the speed and distance of the cable length

Mounting and Storage

Store up to 16 media converters in the space-saving DMC-1000 chassis



DMC Series

Media Converters, Management Module, and Chassis

Features

Fast and Easy to Use

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

Easy Placement, Management, and Monitoring

- Mount up to 16 media converters in the specially designed DMC-1000 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, Management Module, 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-1000 Media Converter Chassis provides a practical solution for installing multiple media converters in one convenient chassis. This both saves space and optimises cable placement. The chassis can also be used in conjunction with the DMC-1002 Management Module, which allows administrators to monitor and manage all media converters installed in the DMC-1000 remotely.

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 copper Ethernet to a 100/1000 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. 5 twisted-pair cables.

Dedicated Storage Solution

The DMC Series product lineup includes a wide range of independent media converters as well as the DMC-1000 Media Converter Chassis, capable of housing up to 16 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-1000 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.

Technical Specifications

	DMC-300SC	DMC-515SC
Interface		
Number of Ports	• 1 x 10/100BASE-TX RJ-45 port • 1 x 10/100BASE-FX SC port	• 1 x 10/100BASE-TX RJ-45 port • 1 x 10/100BASE-FX SC port
Standards	• IEEE 802.3 for 10BASE-T/F • IEEE 802.3u for 100BASE-TX/FX	• IEEE 802.3 for 10BASE-T/F • IEEE 802.3u for 100BASE-TX/FX
Data Transfer Rate	• Ethernet: 10 Mbps/20 Mbps (half-duplex/full-duplex) • Fast Ethernet: 100 Mbps/200 Mbps (half-duplex/full-duplex)	• Ethernet: 10 Mbps/20 Mbps (half-duplex/full-duplex) • Fast Ethernet: 100 Mbps/200 Mbps (half-duplex/full-duplex)
Duplex Mode	• Half-duplex/full-duplex	• Half-duplex/full-duplex
Media Types	• 10BASE-T: 2-pair Cat. 3/4/5/5e, Unshielded Twisted Pair (UTP) (up to 100 m) • 10/100BASE-TX: 2-pair Cat. 5/5e, Unshielded Twisted Pair (UTP) (up to 100 m) • 100BASE-FX: Multi-mode fibre optic cable with SC connector (up to 2 km)	• 10BASE-T: 2-pair Cat. 3/4/5/5e, Unshielded Twisted Pair (UTP) (up to 100 m) • 10/100BASE-TX: 2-pair Cat. 5/5e, Unshielded Twisted Pair (UTP) (up to 100 m) • 100BASE-FX: Single mode-fibre optic cable with SC connector (up to 15 km)
Media Exchange Interface	• Auto-MDI/MDIX	• Auto-MDI/MDIX
Functionality		
Transmission Mode	• Store-and-forward	• Store-and-forward
Forwarding Rate	• Full wire-speed forwarding rate	• Full wire-speed forwarding rate
Physical		
Diagnostic LEDs	• Power • Speed (for twisted pair ports) • Full-duplex/Collision (for twisted pair and fibre ports) • LINK/ACT (for twisted pair ports)	• Power • Speed (for twisted pair ports) • Full-duplex/Collision (for twisted pair and fibre ports) • LINK/ACT (for twisted pair ports)
AC Input	• 5 V/1 A external power adapter	• 5 V/1 A external power adapter
Temperature	• Operating: 0 °C to 40 °C (32 °F to 104 °F) • Storage: -25 °C to 70 °C (13 °F to 158 °F)	• Operating: 0 °C to 40 °C (32 °F to 104 °F) • Storage: -25 °C to 70 °C (13 °F to 158 °F)
Humidity	• 10% to 90% RH, non-condensing	• 10% to 90% RH, non-condensing
Dimensions	• 120 x 88 x 25 mm (4.72 x 3.46 x 0.98 in)	• 120 x 88 x 25 mm (4.72 x 3.46 x 0.98 in)
Weight	• 291 g (0.64 lbs)	• 292 g (0.64 lbs)
Fibre Wavelength	• 1310 nm	• 1310 nm
Supported Fibre Cable Length	• Up to 2 km	• Up to 15 km
Emission Certifications (EMI)	• FCC Class A • CE Class A • VCCI Class A	• FCC Class A • CE Class A • VCCI Class A

Technical Specifications

	DMC-700SC	DMC-810SC
Interface		
Number of Ports	• 1 x 1000BASE-T RJ-45 port • 1 x 1000BASE-SX/LX SC port	• 1 x 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
Data Transfer Rate	• 2000 Mbps (full-duplex)	• 2000 Mbps (full-duplex)
Duplex Mode	• Full-duplex	• Full-duplex
Media Types	• 1000BASE-T: 4-pair Cat. 5, Shielded Twisted Pair (STP) (up to 100 m) • 1000BASE-SX: Multi-mode fibre optic cable with SC connector (up to 550 m)	• 1000BASE-T: 4-pair Cat. 5, Shielded Twisted Pair (STP) (up to 100 m) • 1000BASE-LX: Single-mode fibre optic cable with SC connector (up to 20 km)
Media Exchange Interface	• Auto-MDI/MDIX	• Auto-MDI/MDIX
Functionality		
Transmission Mode	• Store-and-forward	• Store-and-forward
Forwarding Rate	• Full wire-speed forwarding rate	• Full wire-speed forwarding rate
Physical		
Diagnostic LEDs	• Power • LINK/ACT (for twisted pair ports)	• Power • LINK/ACT (for twisted pair ports)
AC Input	• 5 V/1 A external power adapter	• 5 V/1 A external power adapter
Temperature	• Operating: 0 °C to 40 °C (32 °F to 104 °F) • Storage: -25 °C to 70 °C (13 °F to 158 °F)	• Operating: 0 °C to 40 °C (32 °F to 104 °F) • Storage: -25 °C to 70 °C (13 °F to 158 °F)
Humidity	• 10% to 90% RH, non-condensing	• 10% to 90% RH, non-condensing
Dimensions	• 120 x 88 x 25 mm (4.72 x 3.46 x 0.98 in)	• 120 x 88 x 25 mm (4.72 x 3.46 x 0.98 in)
Weight	• 302 g (0.67 lbs)	• 302 g (0.67 lbs)
Fibre Wavelength	• 850 nm	• 1310 nm
Supported Fibre Cable Length	• Up to 550 m	• Up to 20 km
Emission Certifications (EMI)	• FCC Class A • CE Class A • VCCI Class A	• FCC Class A • CE Class A • VCCI Class A

Media Converters, Management Module, and Chassis

Technical Specifications

DMC-1000

Physical

Diagnostic LEDs	• Power	• Fan
Weight	• 7 kg (16.43 lbs)	
Power	• Input: 100 to 240 V AC, 50/60 Hz	
Redundant Power Supply	• DMC-1001	
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -10 to 50 °C (14 to 122 °F)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 90% non-condensing
Dimensions	• 415 x 390 x 89 mm (16.34 x 15.35 x 3.50 in)	
Certifications	• FCC Class A • CE Class A	• VCCI Class A



For more information: www.dlink.com

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