

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 14 media converters in the space-saving DMC-1014 chassis



DMC Series

Media Converters and Chassis

Features

Fast and Easy to Use

- One channel 10/100/1000 Mbps Ethernet to 1000 Mbps fibre optic conversion
- One/Two channel 10/100 Mbps Ethernet to 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 copper 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.



Technical Specifications		
DMC-1014		
Physical		
Diagnostic LEDs	• Power	• Fan
Weight	• 6.5 kg	
Power	• Input: AC 90V to 230V, OR DC 48V	• Output : DC 5V, 12A
Maximum Power Consumption	• 120 W	
Temperature	• Operating: -10 to 60 °C	• Storage: -20 to 85 °C
Humidity	• 5% to 95%	
Dimensions	• 485 x 231 x 90 mm (19 inches 2U)	
Certifications	• FCC • CE	• VCCI

Fast Ethernet Media Converters

Technical Specifications		
	DMC-300MSC	DMC-520SSC
Interface		
Number of Ports	1 x 10/100BASE-TX RJ-45 port 1 x 100BASE-FX SC port	1 x 10/100BASE-TX RJ-45 port 1 x 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
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 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		
AC Input	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
Humidity	5% to 90% RH, non-condensing	5 % to 90% RH, non-condensing
Dimensions	95 x 70 x 26 mm	95 x 70 x 26 mm
Fibre Wavelength	1310 nm	1310 nm
Supported Fibre Cable Length	Up to 2 km	Up to 20 km
Emission Certifications (EMI)	- FCC - CE - VCCI	- FCC - CE - VCCI

Fast Ethernet Media Converters

	DMC-540SSC	DMC-560SSC	DMC-580SSC
Interface			
Number of Ports	• 1 x 10/100BASE-TX RJ-45 port • 1 x 100BASE-FX SC port	• 1 x 10/100BASE-TX RJ-45 port • 1 x 100BASE-FX SC port	• 1 x 10/100BASE-TX RJ-45 port • 1 x 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	• IEEE 802.3 for 10BASE-T/F • IEEE 802.3u for 100BASE-TX/FX
Duplex Mode	• Half-duplex/full-duplex	• 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: Single-mode fiber optic cable with SC connector (up to 40 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 fiber optic cable with SC connector (up to 60 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 fiber optic cable with SC connector (up to 80 km)
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	• 1550 nm
Supported Fiber Cable Length	• Up to 40km	• Up to 60 km	• Up to 80 km
Emission Certifications (EMI)	• FCC • CE • VCCI	• FCC • CE • VCCI	• FCC • CE • VCCI

2-port Fast Ethernet Media Converters

Technical Specifications		
	DVC300MSC-2	DVC520SSC-2
Interface		
Number of Ports	• 2 x 10/100BASE-TX RJ-45 port • 1 x 100BASE-FX SC port	• 2 x 10/100BASE-TX RJ-45 port • 1 x 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
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 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		
AC Input	• 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
Humidity	• 5% to 90% RH, non-condensing	• 5 % to 90% RH, non-condensing
Dimensions	• 95 x 70 x 26 mm	• 95 x 70 x 26 mm
Fibre Wavelength	• 1310 nm	• 1310 nm
Supported Fibre Cable Length	• Up to 2 km	• Up to 20 km
Emission Certifications (EMI)	• FCC • CE • VCCI	• FCC • CE • VCCI

Fast Ethernet Media Converters

	DMC-920SR	DMC-920ST
Interface		
Number of Ports	• 1 x 10/100BASE-TX RJ-45 port • 1 x 100BASE-SX/LX bidirectional SC port	• 1 x 10/100BASE-TX RJ-45 port • 1 x 100BASE-SX/LX bidirectional 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
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) • 10/100 BASE-TX: 2-pair Cat. 5/5e, Unshielded Twisted Pair (UTP) (up to 100 m) • 100BASE-FX: Single-mode fiber optic cable with SC connector (up to 20 km)	• 10BASE-T: 2-pair Cat. 3/4/5/5e, Unshielded Twisted Pair (UTP) (up to 100 m) • 10/100 BASE-TX: 2-pair Cat. 5/5e, Unshielded Twisted Pair (UTP) (up to 100 m) • 100BASE-FX: Single-mode fiber 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		
AC Input	• 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
Humidity	• 5% to 90% RH, non-condensing	• 5 % to 90% RH, non-condensing
Dimensions	• 95 x 70 x 26 mm	• 95 x 70 x 26 mm
Fiber Wavelength	• TX: 1310 nm • RX: 1550 nm	• TX: 1550 nm • RX: 1310 nm
Supported Fiber Cable Length	• Up to 20 km	• Up to 20 km
Emission Certifications (EMI)	• FCC • CE • VCCI	• FCC • CE • VCCI

Gigabit Ethernet Media Converters

	DMC-700MSC	DMC-805P	DMC-805
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 PoE • 1 x 1000BASE-SX/LX LC SFP slot	• 1 x 10/100/1000BASE-T RJ-45 port • 1 x 1000BASE-SX/LX LC SFP slot
Standards	• IEEE 802.3ab for 1000BASE-TX • IEEE 802.3z for 1000BASE-SX/LX	• IEEE 802.3ab/at/af 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-SX: Multi-mode fiber 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 fiber optic cable with SC connector (up to 2 km)	• 1000BASE-T: 4-pair Cat. 5, Shielded Twisted Pair (STP) (up to 100 m) • 1000BASE-SX/LX: Depends on transceiver
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	• 47-57 V DC 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	• 95 x 70 x 26 mm	• 95 x 70 x 26 mm	• 95 x 70 x 26 mm
Fiber/Wavelength	• 850 nm	• Depends on SFP transceiver	• Depends on SFP transceiver
Supported Fiber Cable Length	• Up to 550 m	• Depends on SFP transceiver	• Depends on SFP transceiver
Emission Certifications (EMI)	• FCC • CE • VCCI	• FCC • CE • VCCI	• FCC • CE • VCCI

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 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

Gigabit Ethernet Media Converters

Technical Specifications		
	DMC-860SSC	DMC-880SSC
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-ZX 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-ZX
Duplex Mode	• Full-duplex	• Full-duplex
Media Types	• 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 60 km)	• 1000BASE-T: 4-pair Cat. 5, Shielded Twisted Pair (STP) (up to 100 m) • 1000BASE-ZX: Single-mode fibre optic cable with SC connector (up to 80 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		
AC Input	• 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
Humidity	• 5% to 90% RH, non-condensing	• 5 % to 90% RH, non-condensing
FibreWavelength	• 1550 nm	• 1550 nm
Supported Fibre Cable Length	• Up to 60 km	• Up to 80 km
Emission Certifications (EMI)	• FCC • CE • VCCI	• FCC • CE • VCCI

Gigabit Ethernet Media Converters

	DMC-1910R	DMC-1910T
Interface		
Number of Ports	• 1 x 10/100/1000BASE-T RJ-45 port • 1 x 1000BASE-LX bidirectional SC port	• 1 x 10/100/1000BASE-T RJ-45 port • 1 x 1000BASE-LX bidirectional SC port
Standards	• IEEE 802.3ab for 1000BASE-T • IEEE 802.3z for 1000BASE-LX	• IEEE 802.3ab for 1000BASE-T • IEEE 802.3z for 1000BASE-LX
Duplex Mode	• 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 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 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		
AC Input	• 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
Humidity	• 5% to 90% RH, non-condensing	• 5 % to 90% RH, non-condensing
Dimensions	• 95 x 70 x 26 mm	• 95 x 70 x 26 mm
Fiber Wavelength	• TX: 1310 nm • RX: 1550 nm	• TX: 1550 nm • RX: 1310 nm
Supported Fiber Cable Length	• Up to 20 km	• Up to 20 km
Emission Certifications (EMI)	• FCC • CE • VCCI	• FCC • CE • VCCI

10G Ethernet Media Converters

	DMC 905		
Interface			
Number of Ports	• 1x10G/5G/2.5G/1G RJ-45 port • 1x 10GBASE-X SFP+ slot		
Standards	• IEEE 802.3ab 1000BASE-T , IEEE 802.3bz 2.5G/5GBASE-T IEEE 802.3an 10GBASE-T , IEEE 802.3ae 10Gbps Ethernet ,IEEE 802.3x full-duplex flow control		
Duplex Mode	• Half-duplex/full-duplex		
Media Types	10G/5G/2.5G/1G : 10G-Cat 6A/Cat 7 5G-Cat 6/Cat 6A/Cat 7 1G/2.5g-Cat 5e/Cat 6/Cat 6A/Cat 7 UTP cable(100meters,max.) 10GBASE-LR/SR : 50/125um or 62.5/125um multi-mode/single-mode fiber optic cable, cable length depends on SFP transceiver		
Media Exchange Interface	• Auto-MDI/MDIX		
Functionality			
Transmission Mode	• Store-and-forward		
Forwarding Rate	• Full wire-speed forwarding rate		
Physical			
AC Input	• 12 V DC external power adapter		
Temperature	• Operating: 0°C to 60°C • Storage : 20°C to 70°C		
Humidity	• 5%to90%RH,non-condensing		
Emission Certifications (EMI)	• FCC • CE • VCCI		