

## 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

### Maximum Uptime

Support for intelligent troubleshooting features such as LLCF and LLR to easily diagnose and quickly address problems within the expanded network

### Storage and Management

Store up to 16 media converters in the space-saving DMC-1000 chassis, and remotely manage the chassis and media converters using the DMC-1002



## 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 fiber 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
- Manage your media converters remotely with the DMC-1002 management module
- Remote management through SNMP, CLI, or Web UI
- Front panel LEDs for instant status feedback

### Intelligent Troubleshooting

- Supports Link Loss Carry Forward (LLCF) and Link Loss Return (LLR)

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 optimizes 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 fiber optic connection. This allows you to expand your network by connecting longer distance, high-speed fiber 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.

## Remote Management

The DMC-1000 chassis can also be equipped with the DMC-1002 Management Module. This module allows administrators to remotely manage and monitor the real-time status of all media converters and power supplies

in the chassis, and sends out alarms to alert you of any abnormal situations. The management module follows industry standards, including SNMP and HTTP, allowing you to monitor and manage the mounted media converters and power supplies from a third-party SNMP Network Management Station (NMS) or via a web browser.

## 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	
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

DMC-1002		
<b>Interface</b>		
Number of Ports	• 1 x 10/100/1000BASE-T RJ-45 port	• 1 x RJ-45 Console port
<b>Management and Functionality</b>		
Chassis	• Part number • Description • Power status	• Revision • Chassis reset
Media Converter Modules	• Link status • Slot occupied • Revision	• Converter type • Part number
Alarms	• Cold start • Link up • Authentication failure • Power supply insertion • Module insertion • Module unknown	• Warm start • Link down • Power supply on/off • Power supply removed • Module removal • Module failure
Active Control	• Link Loss Carry Forward (LLCF) • Module name • Reset module • Download software via TFTP/HTTP • Default gateway	• Link Loss Return (LLR) • IP address • Redundant backup • Subnet mask • Telnet to console commands
Supported Protocols	• IP • SNMP • TFTP • ICMP	• UDP • TCP • ARP • HTTP
<b>Physical</b>		
Diagnostic LEDs	• Power 1, 2 • Power Fail 1, 2 • Fan Fail 1, 2	• Console • MGM • Link/Activity
Weight	• 0.12 kg (0.26 lbs)	
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -20 to 70 °C (-13 to 158 °F)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 90% non-condensing
Dimensions	• 120 x 88 x 25 mm (4.72 x 3.46 x 0.98 in)	
Certifications	• FCC Class A • CE Class A	• VCCI Class A

	DMC-300SC	DMC-515SC	DMC-530SC
<b>Interface</b>			
Number of Ports	<ul style="list-style-type: none"> <li>1 x 10/100BASE-TX RJ-45 port</li> <li>1 x 10/100BASE-FX SC port</li> </ul>	<ul style="list-style-type: none"> <li>1 x 10/100BASE-TX RJ-45 port</li> <li>1 x 10/100BASE-FX SC port</li> </ul>	<ul style="list-style-type: none"> <li>1 x 10/100BASE-TX RJ-45 port</li> <li>1 x 10/100BASE-FX SC port</li> </ul>
Standards	<ul style="list-style-type: none"> <li>IEEE 802.3 for 10BASE-T/F</li> <li>IEEE 802.3u for 100BASE-TX/FX</li> </ul>	<ul style="list-style-type: none"> <li>IEEE 802.3 for 10BASE-T/F</li> <li>IEEE 802.3u for 100BASE-TX/FX</li> </ul>	<ul style="list-style-type: none"> <li>IEEE 802.3 for 10BASE-T/F</li> <li>IEEE 802.3u for 100BASE-TX/FX</li> </ul>
Data Transfer Rate	<ul style="list-style-type: none"> <li>Ethernet: 10 Mbps/20 Mbps (half-duplex/full-duplex)</li> <li>Fast Ethernet: 100 Mbps/200 Mbps (half-duplex/full-duplex)</li> </ul>	<ul style="list-style-type: none"> <li>Ethernet: 10 Mbps/20 Mbps (half-duplex/full-duplex)</li> <li>Fast Ethernet: 100 Mbps/200 Mbps (half-duplex/full-duplex)</li> </ul>	<ul style="list-style-type: none"> <li>Ethernet: 10 Mbps/20 Mbps (half-duplex/full-duplex)</li> <li>Fast Ethernet: 100 Mbps/200 Mbps (half-duplex/full-duplex)</li> </ul>
Duplex Mode	<ul style="list-style-type: none"> <li>Half-duplex/full-duplex</li> </ul>	<ul style="list-style-type: none"> <li>Half-duplex/full-duplex</li> </ul>	<ul style="list-style-type: none"> <li>Half-duplex/full-duplex</li> </ul>
Media Types	<ul style="list-style-type: none"> <li>10BASE-T: 2-pair Cat. 3/4/5/5e, Unshielded Twisted Pair (UTP) (up to 100 m)</li> <li>10/100BASE-TX: 2-pair Cat. 5/5e, Unshielded Twisted Pair (UTP) (up to 100 m)</li> <li>100BASE-FX: Multi-mode fiber optic cable with SC connector (up to 2 km)</li> </ul>	<ul style="list-style-type: none"> <li>10BASE-T: 2-pair Cat. 3/4/5/5e, Unshielded Twisted Pair (UTP) (up to 100 m)</li> <li>10/100BASE-TX: 2-pair Cat. 5/5e, Unshielded Twisted Pair (UTP) (up to 100 m)</li> <li>100BASE-FX: Single mode-fiber optic cable with SC connector (up to 15 km)</li> </ul>	<ul style="list-style-type: none"> <li>10BASE-T: 2-pair Cat. 3/4/5/5e, Unshielded Twisted Pair (UTP) (up to 100 m)</li> <li>10/100BASE-TX: 2-pair Cat. 5/5e, Unshielded Twisted Pair (UTP) (up to 100 m)</li> <li>100BASE-FX: Single-mode fiber optic cable with SC connector (up to 30 km)</li> </ul>
Media Exchange Interface	<ul style="list-style-type: none"> <li>Auto-MDI/MDIX</li> </ul>	<ul style="list-style-type: none"> <li>Auto-MDI/MDIX</li> </ul>	<ul style="list-style-type: none"> <li>Auto-MDI/MDIX</li> </ul>
<b>Functionality</b>			
Transmission Mode	<ul style="list-style-type: none"> <li>Store-and-forward</li> </ul>	<ul style="list-style-type: none"> <li>Store-and-forward</li> </ul>	<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>	<ul style="list-style-type: none"> <li>Full wire-speed forwarding rate</li> </ul>	<ul style="list-style-type: none"> <li>Full wire-speed forwarding rate</li> </ul>
Management	<ul style="list-style-type: none"> <li>Through the DMC-1000 chassis with the DMC-1002 management module installed</li> </ul>	<ul style="list-style-type: none"> <li>Through the DMC-1000 chassis with the DMC-1002 management module installed</li> </ul>	<ul style="list-style-type: none"> <li>Through the DMC-1000 chassis with the DMC-1002 management module installed</li> </ul>
Management Functions	<ul style="list-style-type: none"> <li>Fiber port duplex mode</li> </ul>	<ul style="list-style-type: none"> <li>Fiber port duplex mode</li> </ul>	<ul style="list-style-type: none"> <li>Fiber port duplex mode</li> </ul>
<b>Physical</b>			
Diagnostic LEDs	<ul style="list-style-type: none"> <li>Power</li> <li>Speed (for twisted pair ports)</li> <li>Full-duplex/Collision (for twisted pair and fiber ports)</li> <li>LINK/ACT (for twisted pair ports)</li> </ul>	<ul style="list-style-type: none"> <li>Power</li> <li>Speed (for twisted pair ports)</li> <li>Full-duplex/Collision (for twisted pair and fiber ports)</li> <li>LINK/ACT (for twisted pair ports)</li> </ul>	<ul style="list-style-type: none"> <li>Power</li> <li>Speed (for twisted pair ports)</li> <li>Full-duplex/Collision (for twisted pair and fiber ports)</li> <li>LINK/ACT (for twisted pair ports)</li> </ul>
AC Input	<ul style="list-style-type: none"> <li>5 V/1 A external power adapter</li> </ul>	<ul style="list-style-type: none"> <li>5 V/1 A external power adapter</li> </ul>	<ul style="list-style-type: none"> <li>5 V/1 A external power adapter</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>Operating: 0 °C to 40 °C (32 °F to 104 °F)</li> <li>Storage: -25 °C to 70 °C (13 °F to 158 °F)</li> </ul>	<ul style="list-style-type: none"> <li>Operating: 0 °C to 40 °C (32 °F to 104 °F)</li> <li>Storage: -25 °C to 70 °C (13 °F to 158 °F)</li> </ul>	<ul style="list-style-type: none"> <li>Operating: 0 °C to 40 °C (32 °F to 104 °F)</li> <li>Storage: -25 °C to 70 °C (13 °F to 158 °F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>10% to 90% RH, non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>10% to 90% RH, non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>10% to 90% RH, non-condensing</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>120 x 88 x 25 mm (4.72 x 3.46 x 0.98 in)</li> </ul>	<ul style="list-style-type: none"> <li>120 x 88 x 25 mm (4.72 x 3.46 x 0.98 in)</li> </ul>	<ul style="list-style-type: none"> <li>120 x 88 x 25 mm (4.72 x 3.46 x 0.98 in)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>291 g (0.64 lbs)</li> </ul>	<ul style="list-style-type: none"> <li>292 g (0.64 lbs)</li> </ul>	<ul style="list-style-type: none"> <li>292 g (0.64 lbs)</li> </ul>
Fiber Wavelength	<ul style="list-style-type: none"> <li>1310 nm</li> </ul>	<ul style="list-style-type: none"> <li>1310 nm</li> </ul>	<ul style="list-style-type: none"> <li>1310 nm</li> </ul>
Supported Fiber Cable Length	<ul style="list-style-type: none"> <li>Up to 2 km</li> </ul>	<ul style="list-style-type: none"> <li>Up to 15 km</li> </ul>	<ul style="list-style-type: none"> <li>Up to 30 km</li> </ul>
Emission Certifications (EMI)	<ul style="list-style-type: none"> <li>FCC Class A</li> <li>CE Class A</li> <li>VCCI Class A</li> </ul>	<ul style="list-style-type: none"> <li>FCC Class A</li> <li>CE Class A</li> <li>VCCI Class A</li> </ul>	<ul style="list-style-type: none"> <li>FCC Class A</li> <li>CE Class A</li> <li>VCCI Class A</li> </ul>

	DMC-920R	DMC-920T
<b>Interface</b>		
Number of Ports	<ul style="list-style-type: none"> <li>• 1 x 10/100BASE-TX RJ-45 port</li> <li>• 1 x 10/100BASE-SX/LX bidirectional SC port</li> </ul>	<ul style="list-style-type: none"> <li>• 1 x 10/100BASE-TX RJ-45 port</li> <li>• 1 x 10/100BASE-SX/LX bidirectional SC port</li> </ul>
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3 for 10BASE-T/F</li> <li>• IEEE 802.3u for 100BASE-TX/FX</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.3 for 10BASE-T/F</li> <li>• IEEE 802.3u for 100BASE-TX/FX</li> </ul>
Data Transfer Rate	<ul style="list-style-type: none"> <li>• 10 Mbps/20 Mbps (half-duplex/full-duplex)</li> <li>• 100 Mbps/200 Mbps (half-duplex/full-duplex)</li> </ul>	<ul style="list-style-type: none"> <li>• 10 Mbps/20 Mbps (half-duplex/full-duplex)</li> <li>• 100 Mbps/200 Mbps (half-duplex/full-duplex)</li> </ul>
Duplex Mode	<ul style="list-style-type: none"> <li>• Half-duplex/full-duplex</li> </ul>	<ul style="list-style-type: none"> <li>• Half-duplex/full-duplex</li> </ul>
Media Types	<ul style="list-style-type: none"> <li>• 10BASE-T: 2-pair Cat. 3/4/5/5e, Unshielded Twisted Pair (UTP) (up to 100 m)</li> <li>• 10/100 BASE-TX: 2-pair Cat. 5/5e, Unshielded Twisted Pair (UTP) (up to 100 m)</li> <li>• 100BASE-FX: Single-mode fiber optic cable with SC connector (up to 20 km)</li> </ul>	<ul style="list-style-type: none"> <li>• 10BASE-T: 2-pair Cat. 3/4/5/5e, Unshielded Twisted Pair (UTP) (up to 100 m)</li> <li>• 10/100 BASE-TX: 2-pair Cat. 5/5e, Unshielded Twisted Pair (UTP) (up to 100 m)</li> <li>• 100BASE-FX: Single-mode fiber optic cable with SC connector (up to 20 km)</li> </ul>
Media Exchange Interface	<ul style="list-style-type: none"> <li>• Auto-MDI/MDIX</li> </ul>	<ul style="list-style-type: none"> <li>• Auto-MDI/MDIX</li> </ul>
<b>Functionality</b>		
Transmission Mode	<ul style="list-style-type: none"> <li>• Store-and-forward</li> </ul>	<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>	<ul style="list-style-type: none"> <li>• Full wire-speed forwarding rate</li> </ul>
Management	<ul style="list-style-type: none"> <li>• Through the DMC-1000 chassis with the DMC-1002 management module installed</li> </ul>	<ul style="list-style-type: none"> <li>• Through the DMC-1000 chassis with the DMC-1002 management module installed</li> </ul>
Management Functions	<ul style="list-style-type: none"> <li>• Fiber port duplex mode</li> <li>• Copper port mode</li> <li>• Copper port speed</li> <li>• Copper port duplex mode</li> <li>• LLR</li> <li>• LLCF</li> </ul>	<ul style="list-style-type: none"> <li>• Fiber port duplex mode</li> <li>• Copper port mode</li> <li>• Copper port speed</li> <li>• Copper port duplex mode</li> <li>• LLR</li> <li>• LLCF</li> </ul>
<b>Physical</b>		
Diagnostic LEDs	<ul style="list-style-type: none"> <li>• Power</li> <li>• Speed (for twisted pair ports)</li> <li>• Full-duplex/Collision (for twisted pair and fiber ports)</li> <li>• LINK/ACT (for twisted pair ports)</li> <li>• Fail</li> </ul>	<ul style="list-style-type: none"> <li>• Power</li> <li>• Speed (for twisted pair ports)</li> <li>• Full-duplex/Collision (for twisted pair and fiber ports)</li> <li>• LINK/ACT (for twisted pair ports)</li> <li>• Fail</li> </ul>
AC Input	<ul style="list-style-type: none"> <li>• 5 V, 1 A external power adapter</li> </ul>	<ul style="list-style-type: none"> <li>• 5 V/1 A external power adapter</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>• Operating: 0 °C to 40 °C (32 °F to 104 °F)</li> <li>• Storage: -25 °C to 70 °C (13 °F to 158 °F)</li> </ul>	<ul style="list-style-type: none"> <li>• Operating: 0 °C to 40 °C (32 °F to 104 °F)</li> <li>• Storage: -25 °C to 70 °C (13 °F to 158 °F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• 10% to 90% RH, non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>• 10% to 90% RH, non-condensing</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• 120 x 88 x 25 mm (4.72 x 3.46 x 0.98 in)</li> </ul>	<ul style="list-style-type: none"> <li>• 120 x 88 x 25 mm (4.72 x 3.46 x 0.98 in)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• 305 g (0.67 lbs)</li> </ul>	<ul style="list-style-type: none"> <li>• 305 g (0.67 lbs)</li> </ul>
Fiber Wavelength	<ul style="list-style-type: none"> <li>• TX: 1310 nm</li> <li>• RX: 1550 nm</li> </ul>	<ul style="list-style-type: none"> <li>• TX: 1550 nm</li> <li>• RX: 1310 nm</li> </ul>
Supported Fiber Cable Length	<ul style="list-style-type: none"> <li>• Up to 20 km</li> </ul>	<ul style="list-style-type: none"> <li>• Up to 20 km</li> </ul>
Emission Certifications (EMI)	<ul style="list-style-type: none"> <li>• FCC Class A</li> <li>• CE Class A</li> <li>• VCCI Class A</li> </ul>	<ul style="list-style-type: none"> <li>• FCC Class A</li> <li>• CE Class A</li> <li>• VCCI Class A</li> </ul>

	DMC-700SC	DMC-805G	DMC-810SC
<b>Interface</b>			
Number of Ports	<ul style="list-style-type: none"> <li>1 x 1000BASE-T RJ-45 port</li> <li>1 x 1000BASE-SX/LX SC port</li> </ul>	<ul style="list-style-type: none"> <li>1 x 1000BASE-T RJ-45 port</li> <li>1 x 1000BASE-SX/LX LC SFP port</li> </ul>	<ul style="list-style-type: none"> <li>1 x 1000BASE-T RJ-45 port</li> <li>1 x 1000BASE-SX/LX SC port</li> </ul>
Standards	<ul style="list-style-type: none"> <li>IEEE 802.3ab for 1000BASE-TX</li> <li>IEEE 802.3z for 1000BASE-SX/LX</li> </ul>	<ul style="list-style-type: none"> <li>IEEE 802.3ab for 1000BASE-TX</li> <li>IEEE 802.3z for 1000BASE-SX/LX</li> </ul>	<ul style="list-style-type: none"> <li>IEEE 802.3ab for 1000BASE-TX</li> <li>IEEE 802.3z for 1000BASE-SX/LX</li> </ul>
Data Transfer Rate	<ul style="list-style-type: none"> <li>2000 Mbps (full-duplex)</li> </ul>	<ul style="list-style-type: none"> <li>2000 Mbps (full-duplex)</li> </ul>	<ul style="list-style-type: none"> <li>2000 Mbps (full-duplex)</li> </ul>
Duplex Mode	<ul style="list-style-type: none"> <li>Full-duplex</li> </ul>	<ul style="list-style-type: none"> <li>Full-duplex</li> </ul>	<ul style="list-style-type: none"> <li>Full-duplex</li> </ul>
Media Types	<ul style="list-style-type: none"> <li>1000BASE-T: 4-pair Cat. 5, Shielded Twisted Pair (STP) (up to 100 m)</li> <li>1000BASE-SX: Multi-mode fiber optic cable with SC connector (up to 550 m)</li> </ul>	<ul style="list-style-type: none"> <li>1000BASE-T: 4-pair Cat. 5, Shielded Twisted Pair (STP) (up to 100 m)</li> <li>1000BASE-SX/LX: Depends on transceiver</li> </ul>	<ul style="list-style-type: none"> <li>1000BASE-T: 4-pair Cat. 5, Shielded Twisted Pair (STP) (up to 100 m)</li> <li>1000BASE-LX: Single-mode fiber optic cable with SC connector (up to 20 km)</li> </ul>
Media Exchange Interface	<ul style="list-style-type: none"> <li>Auto-MDI/MDIX</li> </ul>	<ul style="list-style-type: none"> <li>Auto-MDI/MDIX</li> </ul>	<ul style="list-style-type: none"> <li>Auto-MDI/MDIX</li> </ul>
<b>Functionality</b>			
Transmission Mode	<ul style="list-style-type: none"> <li>Store-and-forward</li> </ul>	<ul style="list-style-type: none"> <li>Store-and-forward</li> </ul>	<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>	<ul style="list-style-type: none"> <li>Full wire-speed forwarding rate</li> </ul>	<ul style="list-style-type: none"> <li>Full wire-speed forwarding rate</li> </ul>
Management	<ul style="list-style-type: none"> <li>Through the DMC-1000 chassis with the DMC-1002 management module installed</li> </ul>	<ul style="list-style-type: none"> <li>Through the DMC-1000 chassis with the DMC-1002 management module installed</li> </ul>	<ul style="list-style-type: none"> <li>Through the DMC-1000 chassis with the DMC-1002 management module installed</li> </ul>
Management Functions	<ul style="list-style-type: none"> <li>LLR</li> <li>Fiber mode</li> </ul>	<ul style="list-style-type: none"> <li>LLR</li> <li>Fiber mode</li> </ul>	<ul style="list-style-type: none"> <li>LLR</li> <li>Fiber mode</li> </ul>
<b>Physical</b>			
Diagnostic LEDs	<ul style="list-style-type: none"> <li>Power</li> <li>LINK/ACT (for twisted pair ports)</li> </ul>	<ul style="list-style-type: none"> <li>Power</li> <li>LINK/ACT (for twisted pair ports)</li> </ul>	<ul style="list-style-type: none"> <li>Power</li> <li>LINK/ACT (for twisted pair ports)</li> </ul>
AC Input	<ul style="list-style-type: none"> <li>5 V/1 A external power adapter</li> </ul>	<ul style="list-style-type: none"> <li>5 V/1 A external power adapter</li> </ul>	<ul style="list-style-type: none"> <li>5 V/1 A external power adapter</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>Operating: 0 °C to 40 °C (32 °F to 104 °F)</li> <li>Storage: -25 °C to 70 °C (13 °F to 158 °F)</li> </ul>	<ul style="list-style-type: none"> <li>Operating: 0 °C to 40 °C (32 °F to 104 °F)</li> <li>Storage: -25 °C to 70 °C (13 °F to 158 °F)</li> </ul>	<ul style="list-style-type: none"> <li>Operating: 0 °C to 40 °C (32 °F to 104 °F)</li> <li>Storage: -25 °C to 70 °C (13 °F to 158 °F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>10% to 90% RH, non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>10% to 90% RH, non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>10% to 90% RH, non-condensing</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>120 x 88 x 25 mm (4.72 x 3.46 x 0.98 in)</li> </ul>	<ul style="list-style-type: none"> <li>120 x 88 x 25 mm (4.72 x 3.46 x 0.98 in)</li> </ul>	<ul style="list-style-type: none"> <li>120 x 88 x 25 mm (4.72 x 3.46 x 0.98 in)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>302 g (0.67 lbs)</li> </ul>	<ul style="list-style-type: none"> <li>305 g (0.67 lbs)</li> </ul>	<ul style="list-style-type: none"> <li>302 g (0.67 lbs)</li> </ul>
Fiber Wavelength	<ul style="list-style-type: none"> <li>850 nm</li> </ul>	<ul style="list-style-type: none"> <li>1300 nm</li> </ul>	<ul style="list-style-type: none"> <li>1310 nm</li> </ul>
Supported Fiber Cable Length	<ul style="list-style-type: none"> <li>Up to 550 m</li> </ul>	<ul style="list-style-type: none"> <li>Depends on SFP transceiver</li> </ul>	<ul style="list-style-type: none"> <li>Up to 20 km</li> </ul>
Emission Certifications (EMI)	<ul style="list-style-type: none"> <li>FCC Class A</li> <li>CE Class A</li> <li>VCCI Class A</li> </ul>	<ul style="list-style-type: none"> <li>FCC Class A</li> <li>CE Class A</li> <li>VCCI Class A</li> </ul>	<ul style="list-style-type: none"> <li>FCC Class A</li> <li>CE Class A</li> <li>VCCI Class A</li> </ul>

	DMC-1910R	DMC-1910T
<b>Interface</b>		
Number of Ports	<ul style="list-style-type: none"> <li>• 1 x 1000BASE-T RJ-45 port</li> <li>• 1 x 1000BASE-LX bidirectional SC port</li> </ul>	<ul style="list-style-type: none"> <li>• 1 x 1000BASE-T RJ-45 port</li> <li>• 1 x 1000BASE-LX bidirectional SC port</li> </ul>
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3ab for 1000BASE-T</li> <li>• IEEE 802.3z for 1000BASE-LX</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.3ab for 1000BASE-T</li> <li>• IEEE 802.3z for 1000BASE-LX</li> </ul>
Data Transfer Rate	<ul style="list-style-type: none"> <li>• 2000 Mbps (full-duplex)</li> </ul>	<ul style="list-style-type: none"> <li>• 2000 Mbps (full-duplex)</li> </ul>
Duplex Mode	<ul style="list-style-type: none"> <li>• Full-duplex</li> </ul>	<ul style="list-style-type: none"> <li>• Full-duplex</li> </ul>
Media Types	<ul style="list-style-type: none"> <li>• 1000BASE-T: 4-pair Cat. 5, Shielded Twisted Pair (STP) (up to 100 m)</li> <li>• 1000BASE-LX: Single-mode fiber optic cable with SC connector (up to 10 km)</li> </ul>	<ul style="list-style-type: none"> <li>• 1000BASE-T: 4-pair Cat. 5, Shielded Twisted Pair (STP) (up to 100 m)</li> <li>• 1000BASE-LX: Single-mode fiber optic cable with SC connector (up to 10 km)</li> </ul>
Media Exchange Interface	<ul style="list-style-type: none"> <li>• Auto-MDI/MDIX</li> </ul>	<ul style="list-style-type: none"> <li>• Auto-MDI/MDIX</li> </ul>
<b>Functionality</b>		
Transmission Mode	<ul style="list-style-type: none"> <li>• Store-and-forward</li> </ul>	<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>	<ul style="list-style-type: none"> <li>• Full wire-speed forwarding rate</li> </ul>
Management	<ul style="list-style-type: none"> <li>• Through the DMC-1000 chassis with the DMC-1002 management module installed</li> </ul>	<ul style="list-style-type: none"> <li>• Through the DMC-1000 chassis with the DMC-1002 management module installed</li> </ul>
Management Functions	<ul style="list-style-type: none"> <li>• LLR (enable/disable)</li> <li>• Fiber mode</li> </ul>	<ul style="list-style-type: none"> <li>• LLR</li> <li>• Fiber mode</li> </ul>
<b>Physical</b>		
Diagnostic LEDs	<ul style="list-style-type: none"> <li>• Power</li> <li>• LINK/ACT</li> </ul>	<ul style="list-style-type: none"> <li>• Power</li> <li>• LINK/ACT</li> </ul>
AC Input	<ul style="list-style-type: none"> <li>• 5 V/1 A external power adapter</li> </ul>	<ul style="list-style-type: none"> <li>• 5 V/1 A external power adapter</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>• Operating: 0 °C to 40 °C (32 °F to 104 °F)</li> <li>• Storage: -10 °C to 70 °C (13 °F to 158 °F)</li> </ul>	<ul style="list-style-type: none"> <li>• Operating: 0 °C to 40 °C (32 °F to 104 °F)</li> <li>• Storage: -10 °C to 70 °C (13 °F to 158 °F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• 10% to 90% RH, non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>• 10% to 90% RH, non-condensing</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• 120 x 88 x 25 mm (4.72 x 3.46 x 0.98 in)</li> </ul>	<ul style="list-style-type: none"> <li>• 120 x 88 x 25 mm (4.72 x 3.46 x 0.98 in)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• 300 g (0.66 lbs)</li> </ul>	<ul style="list-style-type: none"> <li>• 295 g (0.65 lbs)</li> </ul>
Fiber Wavelength	<ul style="list-style-type: none"> <li>• TX: 1310 nm</li> <li>• RX: 1550 nm</li> </ul>	<ul style="list-style-type: none"> <li>• TX: 1550 nm</li> <li>• RX: 1310 nm</li> </ul>
Supported Fiber Cable Length	<ul style="list-style-type: none"> <li>• Up to 10 km</li> </ul>	<ul style="list-style-type: none"> <li>• Up to 10 km</li> </ul>
Emission Certifications (EMI)	<ul style="list-style-type: none"> <li>• FCC Class A</li> <li>• VCCI Class A</li> <li>• CE Class A</li> </ul>	<ul style="list-style-type: none"> <li>• FCC Class A</li> <li>• VCCI Class A</li> <li>• CE Class A</li> </ul>

# Media Converters, Management Module, and Chassis

Order Information	
Part Number	Description
DMC-1000	16-bay Media Converter Mounting Chassis
DMC-1001	Redundant Power Supply
DMC-1002	Management Module
DMC-300SC	10/100BASE-TX Twisted Pair to 100BASE-FX Multi-mode fiber (2 km, SC) Media Converter Module
DMC-515SC	10/100BASE-TX Twisted Pair to 100BASE-FX Single-mode fiber (15 km, SC) Media Converter Module
DMC-530SC	10/100BASE-TX Twisted Pair to 100BASE-FX Single-mode fiber (30 km, SC) Media Converter Module
DMC-700SC	1000BASE-T Twisted Pair to 1000BASE-SX Multi-mode fiber (550 m, SC) Media Converter Module
DMC-805G	1000BASE-T Twisted Pair to 1000BASE-SX/LX Single-mode fiber (variable, LC) Media Converter Module
DMC-810SC	1000BASE-T Twisted Pair to 1000BASE-LX Single-mode fiber (10 km, SC) Media Converter Module
DMC-920	Combination product containing the DMC-920R and DMC-920T
DMC-920R	10/100BASE-TX Twisted Pair to 100BASE-FX Single-mode fiber (20 km, SC) Media Converter Module
DMC-920T	10/100BASE-TX Twisted Pair to 100BASE-FX Single-mode fiber (20 km, SC) Media Converter Module
DMC-1910	Combination product containing the DMC-1910R and DMC-1910T
DMC-1910R	1000BASE-T Twisted Pair to 1000BASE-LX Single-mode fiber (10 km, SC) Media Converter Module
DMC-1910T	1000BASE-T Twisted Pair to 1000BASE-LX Single-mode fiber (10 km, SC) Media Converter Module

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