

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/Two 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-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 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. 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 | <ul style="list-style-type: none"> • Power • Fan |
| Weight | <ul style="list-style-type: none"> • 6.5 kg |
| Power | <ul style="list-style-type: none"> • Input: AC 90V to 230V, OR DC 48V • Output: DC 5V, 12A |
| Maximum Power Consumption | <ul style="list-style-type: none"> • 120 W |
| Temperature | <ul style="list-style-type: none"> • Operating: -10 to 50°C • Storage: -20 to 85°C |
| Humidity | <ul style="list-style-type: none"> • 5% to 95% |
| Dimensions | <ul style="list-style-type: none"> • 485 x 231 x 90 mm (19 inches 2U) |
| Certifications | <ul style="list-style-type: none"> • FCC • CE • VCCI |

Fast Ethernet Media Converters

| Technical Specifications | | |
|-------------------------------|--|--|
| | DMC-300MSC | DMC-520SCC |
| Interface | | |
| Number of Ports | <ul style="list-style-type: none"> • 1 x 10/100BASE-TX RJ-45 port • 1 x 100BASE-FX SC port | <ul style="list-style-type: none"> • 1 x 10/100BASE-TX RJ-45 port • 1 x 100BASE-FX SC port |
| Standards | <ul style="list-style-type: none"> • IEEE 802.3 for 10BASE-T/F • IEEE 802.3u for 100BASE-TX/FX | <ul style="list-style-type: none"> • IEEE 802.3 for 10BASE-T/F • IEEE 802.3u for 100BASE-TX/FX |
| Data Transfer Rate | <ul style="list-style-type: none"> • Ethernet: 10 Mbps/20 Mbps (half-duplex/full-duplex) • Fast Ethernet: 100 Mbps/200 Mbps (half-duplex/full-duplex) | <ul style="list-style-type: none"> • Ethernet: 10 Mbps/20 Mbps (half-duplex/full-duplex) • Fast Ethernet: 100 Mbps/200 Mbps (half-duplex/full-duplex) |
| Duplex Mode | <ul style="list-style-type: none"> • Half-duplex/full-duplex | <ul style="list-style-type: none"> • Half-duplex/full-duplex |
| Media Types | <ul style="list-style-type: none"> • 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) | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Auto-MDI/MDIX | <ul style="list-style-type: none"> • Auto-MDI/MDIX |
| Functionality | | |
| Transmission Mode | <ul style="list-style-type: none"> • Store-and-forward | <ul style="list-style-type: none"> • Store-and-forward |
| Forwarding Rate | <ul style="list-style-type: none"> • Full wire-speed forwarding rate | <ul style="list-style-type: none"> • Full wire-speed forwarding rate |
| Physical | | |
| Diagnostic LEDs | <ul style="list-style-type: none"> • Power • Speed (for twisted pair ports) • Full-duplex/Collision (for twisted pair and fibre ports) • LINK/ACT (for twisted pair ports) | <ul style="list-style-type: none"> • Power • Speed (for twisted pair ports) • Full-duplex/Collision (for twisted pair and fibre ports) • LINK/ACT (for twisted pair ports) |
| AC Input | <ul style="list-style-type: none"> • 5 V/1 A external power adapter | <ul style="list-style-type: none"> • 5 V/1 A external power adapter |
| Temperature | <ul style="list-style-type: none"> • Operating: 0 °C to 50 °C • Storage: -20 °C to 70 °C | <ul style="list-style-type: none"> • Operating: 0 °C to 50 °C • Storage: -20 °C to 70 °C |
| Humidity | <ul style="list-style-type: none"> • 5% to 90% RH, non-condensing | <ul style="list-style-type: none"> • 5 % to 90% RH, non-condensing |
| Dimensions | <ul style="list-style-type: none"> • 95 x 70 x 26 mm | <ul style="list-style-type: none"> • 95 x 70 x 26 mm |
| Fibre Wavelength | <ul style="list-style-type: none"> • 1310 nm | <ul style="list-style-type: none"> • 1310 nm |
| Supported Fibre Cable Length | <ul style="list-style-type: none"> • Up to 2 km | <ul style="list-style-type: none"> • Up to 20 km |
| Emission Certifications (EMI) | <ul style="list-style-type: none"> • FCC • CE • VCCI | <ul style="list-style-type: none"> • 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 | • 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 |
| 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) | • 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 | • 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 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: Multi-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: Multi-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 | | | |
| Diagnostic LEDs | • Power • Speed (for twisted pair ports) • Full-duplex/Collision (for twisted pair and fiber ports) • LINK/ACT (for twisted pair ports) | • Power • Speed (for twisted pair ports) • Full-duplex/Collision (for twisted pair and fiber ports) • LINK/ACT (for twisted pair ports) | • Power • Speed (for twisted pair ports) • Full-duplex/Collision (for twisted pair and fiber ports) • LINK/ACT (for twisted pair ports) |
| 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 50 °C • Storage: -20 °C to 70 °C | • Operating: 0 °C to 50 °C • Storage: -20 °C to 70 °C | • Operating: 0 °C to 50 °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 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

| | DMC-300MSC-2 | DMC-520SCC-2 |
|-------------------------------|--|--|
| Interface | | |
| Number of Ports | <ul style="list-style-type: none"> • 2 x 10/100BASE-TX RJ-45 port • 1 x 100BASE-FX SC port | <ul style="list-style-type: none"> • 2 x 10/100BASE-TX RJ-45 port • 1 x 100BASE-FX SC port |
| Standards | <ul style="list-style-type: none"> • IEEE 802.3 for 10BASE-T/F • IEEE 802.3u for 100BASE-TX/FX | <ul style="list-style-type: none"> • IEEE 802.3 for 10BASE-T/F • IEEE 802.3u for 100BASE-TX/FX |
| Data Transfer Rate | <ul style="list-style-type: none"> • Ethernet: 10 Mbps/20 Mbps (half-duplex/full-duplex) • Fast Ethernet: 100 Mbps/200 Mbps (half-duplex/full-duplex) | <ul style="list-style-type: none"> • Ethernet: 10 Mbps/20 Mbps (half-duplex/full-duplex) • Fast Ethernet: 100 Mbps/200 Mbps (half-duplex/full-duplex) |
| Duplex Mode | <ul style="list-style-type: none"> • Half-duplex/full-duplex | <ul style="list-style-type: none"> • Half-duplex/full-duplex |
| Media Types | <ul style="list-style-type: none"> • 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) | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Auto-MDI/MDIX | <ul style="list-style-type: none"> • Auto-MDI/MDIX |
| Functionality | | |
| Transmission Mode | <ul style="list-style-type: none"> • Store-and-forward | <ul style="list-style-type: none"> • Store-and-forward |
| Forwarding Rate | <ul style="list-style-type: none"> • Full wire-speed forwarding rate | <ul style="list-style-type: none"> • Full wire-speed forwarding rate |
| Physical | | |
| Diagnostic LEDs | <ul style="list-style-type: none"> • Power • Speed (for twisted pair ports) • Full-duplex/Collision (for twisted pair and fibre ports) • LINK/ACT (for twisted pair ports) | <ul style="list-style-type: none"> • Power • Speed (for twisted pair ports) • Full-duplex/Collision (for twisted pair and fibre ports) • LINK/ACT (for twisted pair ports) |
| AC Input | <ul style="list-style-type: none"> • 5 V/1 A external power adapter | <ul style="list-style-type: none"> • 5 V/1 A external power adapter |
| Temperature | <ul style="list-style-type: none"> • Operating: 0 °C to 50 °C • Storage: -20 °C to 70 °C | <ul style="list-style-type: none"> • Operating: 0 °C to 50 °C • Storage: -20 °C to 70 °C |
| Humidity | <ul style="list-style-type: none"> • 5% to 90% RH, non-condensing | <ul style="list-style-type: none"> • 5 % to 90% RH, non-condensing |
| Dimensions | <ul style="list-style-type: none"> • 95 x 70 x 26 mm | <ul style="list-style-type: none"> • 95 x 70 x 26 mm |
| Fibre Wavelength | <ul style="list-style-type: none"> • 1310 nm | <ul style="list-style-type: none"> • 1310 nm |
| Supported Fibre Cable Length | <ul style="list-style-type: none"> • Up to 2 km | <ul style="list-style-type: none"> • Up to 20 km |
| Emission Certifications (EMI) | <ul style="list-style-type: none"> • FCC • CE • VCCI | <ul style="list-style-type: none"> • FCC • CE • VCCI |

Fast Ethernet Media Converters

| | DMC-920SR | DMC-920ST |
|-------------------------------|---|---|
| Interface | | |
| Number of Ports | <ul style="list-style-type: none"> • 1 x 10/100BASE-TX RJ-45 port • 1 x 100BASE-SX/LX bidirectional SC port | <ul style="list-style-type: none"> • 1 x 10/100BASE-TX RJ-45 port • 1 x 100BASE-SX/LX bidirectional SC port |
| Standards | <ul style="list-style-type: none"> • IEEE 802.3 for 10BASE-T/F • IEEE 802.3u for 100BASE-TX/FX | <ul style="list-style-type: none"> • IEEE 802.3 for 10BASE-T/F • IEEE 802.3u for 100BASE-TX/FX |
| Data Transfer Rate | <ul style="list-style-type: none"> • 10 Mbps/20 Mbps (half-duplex/full-duplex) • 100 Mbps/200 Mbps (half-duplex/full-duplex) | <ul style="list-style-type: none"> • 10 Mbps/20 Mbps (half-duplex/full-duplex) • 100 Mbps/200 Mbps (half-duplex/full-duplex) |
| Duplex Mode | <ul style="list-style-type: none"> • Half-duplex/full-duplex | <ul style="list-style-type: none"> • Half-duplex/full-duplex |
| Media Types | <ul style="list-style-type: none"> • 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) | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Auto-MDI/MDIX | <ul style="list-style-type: none"> • Auto-MDI/MDIX |
| Functionality | | |
| Transmission Mode | <ul style="list-style-type: none"> • Store-and-forward | <ul style="list-style-type: none"> • Store-and-forward |
| Forwarding Rate | <ul style="list-style-type: none"> • Full wire-speed forwarding rate | <ul style="list-style-type: none"> • Full wire-speed forwarding rate |
| Physical | | |
| Diagnostic LEDs | <ul style="list-style-type: none"> • Power • Speed (for twisted pair ports) • Full-duplex/Collision (for twisted pair and fiber ports) • LINK/ACT (for twisted pair ports) • Fail | <ul style="list-style-type: none"> • Power • Speed (for twisted pair ports) • Full-duplex/Collision (for twisted pair and fiber ports) • LINK/ACT (for twisted pair ports) • Fail |
| AC Input | <ul style="list-style-type: none"> • 5 V/1 A external power adapter | <ul style="list-style-type: none"> • 5 V/1 A external power adapter |
| Temperature | <ul style="list-style-type: none"> • Operating: 0 °C to 50 °C • Storage: -20 °C to 70 °C | <ul style="list-style-type: none"> • Operating: 0 °C to 50 °C • Storage: -20 °C to 70 °C |
| Humidity | <ul style="list-style-type: none"> • 5% to 90% RH, non-condensing | <ul style="list-style-type: none"> • 5 % to 90% RH, non-condensing |
| Dimensions | <ul style="list-style-type: none"> • 95 x 70 x 26 mm | <ul style="list-style-type: none"> • 95 x 70 x 26 mm |
| Fiber Wavelength | <ul style="list-style-type: none"> • TX: 1310 nm • RX: 1550 nm | <ul style="list-style-type: none"> • TX: 1550 nm • RX: 1310 nm |
| Supported Fiber Cable Length | <ul style="list-style-type: none"> • Up to 20 km | <ul style="list-style-type: none"> • Up to 20 km |
| Emission Certifications (EMI) | <ul style="list-style-type: none"> • FCC • CE • VCCI | <ul style="list-style-type: none"> • FCC • CE • VCCI |

Gigabit Ethernet Media Converters

| | DMC-700MSC | DMC-702MSC | DMC-805 |
|-------------------------------|---|---|--|
| Interface | | | |
| Number of Ports | <ul style="list-style-type: none"> • 1 x 10/100/1000BASE-T RJ-45 port • 1 x 1000BASE-SX/LX SC port | <ul style="list-style-type: none"> • 1 x 10/100/1000BASE-T RJ-45 port • 1 x 1000BASE-SX/LX LC SFP port | <ul style="list-style-type: none"> • 1 x 10/100/1000BASE-T RJ-45 port • 1 x 1000BASE-SX/LX SC port |
| Standards | <ul style="list-style-type: none"> • IEEE 802.3ab for 1000BASE-TX • IEEE 802.3z for 1000BASE-SX/LX | <ul style="list-style-type: none"> • IEEE 802.3ab for 1000BASE-TX • IEEE 802.3z for 1000BASE-SX/LX | <ul style="list-style-type: none"> • IEEE 802.3ab for 1000BASE-TX • IEEE 802.3z for 1000BASE-SX/LX |
| Data Transfer Rate | <ul style="list-style-type: none"> • 2000 Mbps (full-duplex) | <ul style="list-style-type: none"> • 2000 Mbps (full-duplex) | <ul style="list-style-type: none"> • 2000 Mbps (full-duplex) |
| Duplex Mode | <ul style="list-style-type: none"> • Full-duplex | <ul style="list-style-type: none"> • Full-duplex | <ul style="list-style-type: none"> • Full-duplex |
| Media Types | <ul style="list-style-type: none"> • 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) | <ul style="list-style-type: none"> • 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) | <ul style="list-style-type: none"> • 1000BASE-T: 4-pair Cat. 5, Shielded Twisted Pair (STP) (up to 100 m) • 1000BASE-SX/LX: Depends on transceiver |
| Media Exchange Interface | <ul style="list-style-type: none"> • Auto-MDI/MDIX | <ul style="list-style-type: none"> • Auto-MDI/MDIX | <ul style="list-style-type: none"> • Auto-MDI/MDIX |
| Functionality | | | |
| Transmission Mode | <ul style="list-style-type: none"> • Store-and-forward | <ul style="list-style-type: none"> • Store-and-forward | <ul style="list-style-type: none"> • Store-and-forward |
| Forwarding Rate | <ul style="list-style-type: none"> • Full wire-speed forwarding rate | <ul style="list-style-type: none"> • Full wire-speed forwarding rate | <ul style="list-style-type: none"> • Full wire-speed forwarding rate |
| Physical | | | |
| Diagnostic LEDs | <ul style="list-style-type: none"> • Power • LINK/ACT (for twisted pair ports) | <ul style="list-style-type: none"> • Power • LINK/ACT (for twisted pair ports) | <ul style="list-style-type: none"> • Power • LINK/ACT (for twisted pair ports) |
| AC Input | <ul style="list-style-type: none"> • 5 V/1 A external power adapter | <ul style="list-style-type: none"> • 5 V/1 A external power adapter | <ul style="list-style-type: none"> • 5 V/1 A external power adapter |
| Temperature | <ul style="list-style-type: none"> • Operating: 0 °C to 50 °C • Storage: -20 °C to 70 °C | <ul style="list-style-type: none"> • Operating: 0 °C to 50 °C • Storage: -20 °C to 70 °C | <ul style="list-style-type: none"> • Operating: 0 °C to 50 °C • Storage: -20 °C to 70 °C |
| Humidity | <ul style="list-style-type: none"> • 5% to 90%RH, non-condensing | <ul style="list-style-type: none"> • 5% to 90%RH, non-condensing | <ul style="list-style-type: none"> • 5% to 90% RH, non-condensing |
| Dimensions | <ul style="list-style-type: none"> • 95x70x26 mm | <ul style="list-style-type: none"> • 95x70x26 mm | <ul style="list-style-type: none"> • 95x70x26 mm |
| Fiber Wavelength | <ul style="list-style-type: none"> • 850 nm | <ul style="list-style-type: none"> • 1310 nm | <ul style="list-style-type: none"> • 1310 nm |
| Supported Fiber Cable Length | <ul style="list-style-type: none"> • Up to 550 m | <ul style="list-style-type: none"> • Up to 2 km | <ul style="list-style-type: none"> • Depends on SFP transceiver |
| Emission Certifications (EMI) | <ul style="list-style-type: none"> • FCC • CE • VCCI | <ul style="list-style-type: none"> • FCC • CE • VCCI | <ul style="list-style-type: none"> • FCC • CE • VCCI |

Gigabit Ethernet Media Converters

| | DMC-810SSC | DMC-820SSC | DMC-840SSC |
|-------------------------------|---|--|---|
| Interface | | | |
| Number of Ports | <ul style="list-style-type: none"> • 1 x 10/100/1000BASE-T RJ-45 port • 1 x 1000BASE-SX/LX SC port | <ul style="list-style-type: none"> • 1 x 10/100/1000BASE-T RJ-45 port • 1 x 1000BASE-SX/LX LC SFP port | <ul style="list-style-type: none"> • 1 x 10/100/1000BASE-T RJ-45 port • 1 x 1000BASE-SX/LX SC port |
| Standards | <ul style="list-style-type: none"> • IEEE 802.3ab for 1000BASE-TX • IEEE 802.3z for 1000BASE-SX/LX | <ul style="list-style-type: none"> • IEEE 802.3ab for 1000BASE-TX • IEEE 802.3z for 1000BASE-SX/LX | <ul style="list-style-type: none"> • IEEE 802.3ab for 1000BASE-TX • IEEE 802.3z for 1000BASE-SX/LX |
| Data Transfer Rate | <ul style="list-style-type: none"> • 2000 Mbps (full-duplex) | <ul style="list-style-type: none"> • 2000 Mbps (full-duplex) | <ul style="list-style-type: none"> • 2000 Mbps (full-duplex) |
| Duplex Mode | <ul style="list-style-type: none"> • Full-duplex | <ul style="list-style-type: none"> • Full-duplex | <ul style="list-style-type: none"> • Full-duplex |
| Media Types | <ul style="list-style-type: none"> • 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) | <ul style="list-style-type: none"> • 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) | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Auto-MDI/MDIX | <ul style="list-style-type: none"> • Auto-MDI/MDIX | <ul style="list-style-type: none"> • Auto-MDI/MDIX |
| Functionality | | | |
| Transmission Mode | <ul style="list-style-type: none"> • Store-and-forward | <ul style="list-style-type: none"> • Store-and-forward | <ul style="list-style-type: none"> • Store-and-forward |
| Forwarding Rate | <ul style="list-style-type: none"> • Full wire-speed forwarding rate | <ul style="list-style-type: none"> • Full wire-speed forwarding rate | <ul style="list-style-type: none"> • Full wire-speed forwarding rate |
| Physical | | | |
| Diagnostic LEDs | <ul style="list-style-type: none"> • Power • LINK/ACT (for twisted pair ports) | <ul style="list-style-type: none"> • Power • LINK/ACT (for twisted pair ports) | <ul style="list-style-type: none"> • Power • LINK/ACT (for twisted pair ports) |
| AC Input | <ul style="list-style-type: none"> • 5 V/1 A external power adapter | <ul style="list-style-type: none"> • 5 V/1 A external power adapter | <ul style="list-style-type: none"> • 5 V/1 A external power adapter |
| Temperature | <ul style="list-style-type: none"> • Operating: 0 °C to 50 °C • Storage: -20 °C to 70 °C | <ul style="list-style-type: none"> • Operating: 0 °C to 50 °C • Storage: -20 °C to 70 °C | <ul style="list-style-type: none"> • Operating: 0 °C to 50 °C • Storage: -20 °C to 70 °C |
| Humidity | <ul style="list-style-type: none"> • 5% to 90% RH, non-condensing | <ul style="list-style-type: none"> • 5% to 90% RH, non-condensing | <ul style="list-style-type: none"> • 5% to 90% RH, non-condensing |
| Dimensions | <ul style="list-style-type: none"> • 95x 70 x 26 mm | <ul style="list-style-type: none"> • 95 x 70 x 26 mm | <ul style="list-style-type: none"> • 95 x 70 x 26 mm |
| Fiber Wavelength | <ul style="list-style-type: none"> • 1310 nm | <ul style="list-style-type: none"> • 1310 nm | <ul style="list-style-type: none"> • 1310 nm |
| Supported Fiber Cable Length | <ul style="list-style-type: none"> • Up to 10km | <ul style="list-style-type: none"> • Up to 20 km | <ul style="list-style-type: none"> • Up to 40 km |
| Emission Certifications (EMI) | <ul style="list-style-type: none"> • FCC • CE • VCCI | <ul style="list-style-type: none"> • FCC • CE • VCCI | <ul style="list-style-type: none"> • FCC • CE • VCCI |

Gigabit Ethernet Media Converters

Technical Specifications

| | DMC-860SSC | DMC-880SSC |
|-------------------------------|--|--|
| Interface | | |
| Number of Ports | <ul style="list-style-type: none"> • 1 x 10/100/1000BASE-T RJ-45 port • 1 x 1000BASE-SX/LX SC port | <ul style="list-style-type: none"> • 1 x 10/100/1000BASE-T RJ-45 port • 1 x 1000BASE-ZX SC port |
| Standards | <ul style="list-style-type: none"> • IEEE 802.3ab for 1000BASE-TX • IEEE 802.3z for 1000BASE-SX/LX | <ul style="list-style-type: none"> • IEEE 802.3ab for 1000BASE-TX • IEEE 802.3z for 1000BASE-ZX |
| Data Transfer Rate | • 2000 Mbps (full-duplex) | • 2000 Mbps (full-duplex) |
| Duplex Mode | • Full-duplex | • Full-duplex |
| Media Types | <ul style="list-style-type: none"> • 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) | <ul style="list-style-type: none"> • 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 | | |
| Diagnostic LEDs | <ul style="list-style-type: none"> • Power • LINK/ACT (for twisted pair ports) | <ul style="list-style-type: none"> • Power • LINK/ACT (for twisted pair ports) |
| AC Input | • 5 V/1 A external power adapter | • 5 V/1 A external power adapter |
| Temperature | <ul style="list-style-type: none"> • Operating: 0 °C to 50 °C • Storage: -20 °C to 70 °C | <ul style="list-style-type: none"> • Operating: 0 °C to 50 °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) | <ul style="list-style-type: none"> • FCC • CE • VCCI | <ul style="list-style-type: none"> • FCC • CE • VCCI |

Gigabit Ethernet Media Converters

| | DMC-1910R | DMC-1910T |
|-------------------------------|--|--|
| Interface | | |
| Number of Ports | <ul style="list-style-type: none"> • 1 x 10/100/1000BASE-T RJ-45 port • 1 x 1000BASE-LX bidirectional SC port | <ul style="list-style-type: none"> • 1 x 10/100/1000BASE-T RJ-45 port • 1 x 1000BASE-LX bidirectional SC port |
| Standards | <ul style="list-style-type: none"> • IEEE 802.3ab for 1000BASE-T • IEEE 802.3z for 1000BASE-LX | <ul style="list-style-type: none"> • IEEE 802.3ab for 1000BASE-T • IEEE 802.3z for 1000BASE-LX |
| Data Transfer Rate | <ul style="list-style-type: none"> • 2000 Mbps (full-duplex) | <ul style="list-style-type: none"> • 2000 Mbps (full-duplex) |
| Duplex Mode | <ul style="list-style-type: none"> • Full-duplex | <ul style="list-style-type: none"> • Full-duplex |
| Media Types | <ul style="list-style-type: none"> • 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) | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Auto-MDI/MDIX | <ul style="list-style-type: none"> • Auto-MDI/MDIX |
| Functionality | | |
| Transmission Mode | <ul style="list-style-type: none"> • Store-and-forward | <ul style="list-style-type: none"> • Store-and-forward |
| Forwarding Rate | <ul style="list-style-type: none"> • Full wire-speed forwarding rate | <ul style="list-style-type: none"> • Full wire-speed forwarding rate |
| Physical | | |
| Diagnostic LEDs | <ul style="list-style-type: none"> • Power • LINK/ACT | <ul style="list-style-type: none"> • Power • LINK/ACT |
| AC Input | <ul style="list-style-type: none"> • 5 V/1 A external power adapter | <ul style="list-style-type: none"> • 5 V/1 A external power adapter |
| Temperature | <ul style="list-style-type: none"> • Operating: 0 °C to 50 °C • Storage: -20 °C to 70 °C | <ul style="list-style-type: none"> • Operating: 0 °C to 50 °C • Storage: -20 °C to 70 °C |
| Humidity | <ul style="list-style-type: none"> • 5% to 90% RH, non-condensing | <ul style="list-style-type: none"> • 5 % to 90% RH, non-condensing |
| Dimensions | <ul style="list-style-type: none"> • 95 x 70 x 26 mm | <ul style="list-style-type: none"> • 95 x 70 x 26 mm |
| Fiber Wavelength | <ul style="list-style-type: none"> • TX: 1310 nm • RX: 1550 nm | <ul style="list-style-type: none"> • TX: 1550 nm • RX: 1310 nm |
| Supported Fiber Cable Length | <ul style="list-style-type: none"> • Up to 20 km | <ul style="list-style-type: none"> • Up to 20 km |
| Emission Certifications (EMI) | <ul style="list-style-type: none"> • FCC • CE • VCCI | <ul style="list-style-type: none"> • FCC • CE • VCCI |