Product Highlights

Rugged, Hardened Design

Designed to operate in wide temperature ranges, withstand vibration and shock, which allows the media converter to be deployed in enclosures or cabinets in outdoor locations.

Easy Installation

Simply plug & play with DIN rail mounting ability.

Redundant Power Input

Redundant power input ensures network uptime should a power supply fail.

DIS-M100G-SW

Industrial 10/100/1000Base-T to SFP Media Converter

Features

Flexible Availability

- SFP port for long distance connections
- Plug and Play installation

Robust and High-Redundancy Design

- Fanless, passive cooling design
- Wide operating temperature (-40 ~ 70 °C)
- High EMC endurance
- Durable IP30-rated housing
- Dual power input for redundant power supplies

Environmental Test

- Shock - IEC 60068-2-27
- Freefall - IEC 60068-2-32
- Vibration - IEC 60068-2-6
- CE/FCC
- LVD (EN60950-1)

The Industrial 10/100/1000Base-T to SFP Media Converter turns an Ethernet connection into fibre, extending allowing for ultra-fast long-distance connections. The DIS-M100G-SW media converter is housed in a highly resistant IP30-rated metal casing to protect the media converter from harsh environmental conditions. Meanwhile, the fanless design extends the life of the DIS-M100G-SW while also being able to operate in a wide temperature range from -40°C up to 70 °C. For increased flexibility, the DIS-M100G-SW can also be mounted on a DIN rail or conveniently mounted on a solid surface wall. In addition, the DIS-M100G-SW supports dual power input which allows for a redundant power supply configuration to make sure the media converter continues to operate in the event of a primary power supply failure.

Extend Your Network

Fibre optic speeds are critical to success, but twisted-pair cabling can only go so far. Using D-Link's converters you can change a twisted-pair Ethernet connection into a single-mode or multi-mode fiber connection that can go much further. Converters for distances of anywhere from 550 m to 80 km allow you to optimise your selection.

DIS-M100G-SW
Industrial 10/100/1000Base-T to SFP Media Converter

Technical Specifications

General		
Number of Ports	• 1 x 100/1000BASE-T port • 1 x SFP port	
Port Functions	• IEEE 802.3u for 100BASE-TX and 100BASE-FX • IEEE 802.3ab for 1000BASE-T • IEEE 802.3z for 1000BASE-X • IEEE 802.3u • IEEE 802.3x • IEEE 802.3ab	• Auto-Negotiation for each port • Full-Duplex operation at 1000 Mbps • Half/Full-Duplex operation at 10/100 Mbps • Back pressure at Half-Duplex operation • Auto MDI/MDIX • Wire speed reception and transmission
Media Interface Exchange	• Auto-MDI/MDIX adjustment for all twisted pair ports	
Performance		
Switching Capacity	• 4 Gbps	
Max. Forwarding Rate	• 1000 M: 2.976 Mpps	
Forwarding Mode	• Store-and-Forward	
Physical		
Power Input	• 12 to 48 VDC terminal block dual input	
Power Consumption	• 3.6 W	
Heat Dissipation	• 12.28 BTU/h	
Weight	• 190 g (0.42 lb)	
Dimensions	• 26.1 x 70 x 95 mm (1.03 x 2.76 x 3.74 in)	
MTBF	• >25 years	
Operating Temperature	• -40 to 70 °C (-40 to 158 °F)	
Storage Temperature	• -40 to 85 °C (-40 to 185 °F)	
Operating Humidity	• 5% to 95% RH, non-condensing	
Storage Humidity	• 5% to 95% RH, non-condensing	
Emission (EMI) & Safety Certifications		
EMI	• CE class A • FCC class A	
Safety	• LVD (EN60950-1)	
DIS-S301SX	• 1000BASE-SX, multi-mode, 550 m, -40 to 85 °C operating temperature	
DIS-S302SX	• 1000BASE-SX, multi-mode, 2 km, -40 to 85 °C operating temperature	
DIS-S310LX	• 1000BASE-LX, single-mode, 10 km, -40 to 85 °C operating temperature	

For more information: www.dlink.com

Updated December 2019