

Product Highlights

Rugged, Hardened Design

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

Easy Installation

Simply plug-and-play with the DIN rail mounting ability

Redundant Power Input

Redundant power input ensures network uptime should a power supply fail



DIS-M100G-SW

Gigabit Industrial Unmanaged 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 (EN62368-1)

D-Link's Gigabit Industrial Unmanaged Media Converter turns an Ethernet connection into fiber, 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

Fiber-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 optimize your selection.

No Wasted Space

Its compact size fits anywhere and doesn't require an entire rack. It's 70 mm wide by 95 mm long by 26.1 mm in depth, with the total volume of one unit being only 0.174 liters. This allows for convenient installation wherever it is needed, especially in limited space environments such as telecommunication cabinets or a distribution box.

Plug-and-Play

Media converters offered by D-Link include several industry-standard technologies that makes them easy to operate, such as 802.3u/x/ab. Auto-MDI/MDIX and Auto-Negotiation makes sure that your cable connection functions at the highest possible speed while remaining compatible. There's no management software to configure – just simply connect the converter.

Technical Specifications

General

Model	<ul style="list-style-type: none"> • DIS-M100G-SW
Number of Ports	<ul style="list-style-type: none"> • 1 x 100/1000BASE-T port • 1 x SFP port
Port Functions	<ul style="list-style-type: none"> • IEEE 802.3u for 100BASE-TX and 100BASE-FX • IEEE 802.3ab for 1000BASE-T • IEEE 802.3z for 1000BASE-X
Media Interface Exchange	<ul style="list-style-type: none"> • Auto-MDI/MDIX adjustment for all twisted pair ports

Performance

Switching Capacity	<ul style="list-style-type: none"> • 4 Gbps
Max. Forwarding Rate	<ul style="list-style-type: none"> • 2.976 Mpps
Forwarding Mode	<ul style="list-style-type: none"> • Store-and-Forward

Physical

Power Input	<ul style="list-style-type: none"> • 12 to 48 VDC terminal block dual input
Power Consumption	<ul style="list-style-type: none"> • 3.6 W
Heat Dissipation	<ul style="list-style-type: none"> • 12.28 BTU/h
Weight	<ul style="list-style-type: none"> • 190 g (0.42 lb)
Dimensions	<ul style="list-style-type: none"> • 26.1 x 70 x 95 mm (1.03 x 2.76 x 3.74 in)
MTBF	<ul style="list-style-type: none"> • >25 years
Operating Temperature	<ul style="list-style-type: none"> • -40 to 70 °C (-40 to 158 °F)
Storage Temperature	<ul style="list-style-type: none"> • -40 to 85 °C (-40 to 185 °F)
Operating Humidity	<ul style="list-style-type: none"> • 5% to 95% RH, non-condensing
Storage Humidity	<ul style="list-style-type: none"> • 5% to 95% RH, non-condensing

Emission (EMI) & Safety Certifications

EMI	<ul style="list-style-type: none"> • CE class A • FCC class A
Safety	<ul style="list-style-type: none"> • LVD (EN62368-1)

Features

LAN	<ul style="list-style-type: none"> • 1 x 100/1000 Mbps port • 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 100 Mbps • Back pressure at Half-Duplex operation • Auto MDI/MDIX • Wire speed reception and transmission
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Gigabit Industrial Unmanaged Media Converter

Optional Transceivers	
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
DIS-S330EX	• 1000BASE-EX, single-mode, 30 km, -40 to 85 °C operating temperature
DIS-S350LHX	• 1000BASE-LHX, single-mode, 50 km, -40 to 85 °C operating temperature
DIS-S380ZX	• 1000BASE-ZX, single-mode, 80 km, -40 to 85 °C operating temperature
Order Information	
DIS-M100G-SW	• 100/1000 Mbps to SFP Industrial Media Converter

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