



DIGISOL™

SWITCHING SOLUTIONS

DIGISOL Industrial Grade Media Converter

DG-MC6123I Series

Key Features:-

- 1x1000Base-X, 1x10/100/1000Base-T
- Industrial Ethernet Switch
- Input Voltage: DC12~58V
- Operating Temperature: -40°C ~ +75°C
- Shell: IP40 protection, fanless design
- Anti-static: 8KV-15KV
- MTBF: 100000 Hours



Introduction:-

DIGISOL DG-MC6123I Series is 1x1000Base-X & 1x10/100/1000Base-T Industrial Ethernet Media Converter, PoE is optional. Through the fanless heat dissipation circuit design, wide range of working environment temperature, high protection level and other technologies, it provides excellent industrial quality with high/low temperature resistance and lightning protection, and enhances the reliability and safety of industrial networks. It can better meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments.

Technical Specifications:-

Provider Mode Ports

- Fixed port : 1x1000 Base-X, 1x10/100/1000 Base-T
- Power interface : Phoenix terminal, redundant dual power supply
- LED Indicators : PWR, OPT, NMC, ALM

DIP Switch

- C/D : Remote PD Reset
- LGY : Stand/Non-standard PoE Mode
- VLAN Mode
- RST : Reset

Cable type & Transmission distance

- Twisted-pair : 0-100m (CAT5e, CAT6)

- Monomode optical fiber : 20/40/60/80/100KM
- Multimode (optical) fiber : 550m

Network Topology

- Star topology : Support
- Bus topology : Support
- Tree Topology : Support
- Hybrid topology : Support

Electrical Specifications

- Input voltage : DC12-58V
- Total Power consumption : <6W
- Voltage Alarm : Support

Layer 2 Switching

- Switching capacity : 14G
- Packet forwarding rate : 10.416Mpps
- MAC address table : 8K
- Buffer : 1M
- Forwarding delay : <5us
- MDX/MIDX : Support
- Flow control : Support
- Jumbo Frame Support : 10Kbytes
- WatchDog : Support
- Port Isolation : Support



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Technical Specifications:-

Environment

- Operating temperature :
-40°C~+75°C
The device is tested for 4 hours at temperatures in 85°C
- Storage temperature : -40°C~+85°C
- Relative humidity : 5%~95%
non-condensing
- Thermal methods : Fanless,
natural cooling
- MTBF : 100,000 hours

Mechanical Dimensions

- Product size : 143X104X48mm
- Installation Method : DIN rail
- Weight : 0.6KG around

EMC & Ingress Protection

- IP Level : IP40
- Surge protection of Power :
IEC 61000-4-5 Level X (6KV/6KV)
(8/20us)
- Surge protection of Ethernet
port :

IEC 61000-4-5 Level 4 (4KV/4KV)
(10/700us)

Accessories

- Accessories : Device, Terminals,
Specification, Power adapter
(optional)

* Feature available in Future Upgrade

Ordering Information:-

DG-MC6123ISFP : DIGISOL 1000Mbps SFP Port and 1x10/100/1000Mbps RJ45 Port

DG-MC6123ISC : DIGISOL 1000Mbps SC Port and 1x10/100/1000Mbps RJ45 Port

DG-MC6123IST : DIGISOL 1000Mbps ST Port and 1x10/100/1000Mbps RJ45 Port

*Standard Warranty shall be subject to terms and conditions specified in the DIGISOL PRODUCT WARRANTY displayed on the website of the company.

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DIGISOL SYSTEMS LIMITED
215 Atrium Bldg., 2nd Floor,
B-Wing, Opp. Big Cinema,
Courtyard Marriott Compound,
Andheri-Kurla Road,
Andheri (E), Mumbai - 400093.



1800-209-3444



www.digisol.com



helpdesk@digisol.com

[@DIGISOLINDIA](https://www.facebook.com/DIGISOLINDIA)