



ikings Technology

MCG-D5 series

Gigabit Industrial Ethernet Media Converter

KEY FEATURES

- 1*10/100/1000Base-TX to 1*100/1000Base-X SFP
- SFP port with auto speed detection function
- PoE version up to 90W output, meeting IEEE802.3af/at/bt standards
- Industrial Hardened grade, designed to operate in harsh environmental conditions
- Operating temperature from -40°C to +75°C
- Wide range & Redundant power inputs (non-PoE & 30W PoE)
- Power boost
- Metal case, no fan design
- DIN-Rail or Wallmount
- 5 years warranty



INTRODUCTION

The MCG-D5 series Industrial grade Ethernet Media Converters are designed to transmit and receive 10/100/1000Mbps data over optical fiber through user selectable SFP module options. The SFP port auto detects 100Base-FX and 1000Base-X SFP modules, which makes this unit universal for 100Mbps and 1Gbps fiber networks. The PoE versions, meeting the IEEE802.3af/at/bt standards, provides PoE++ as Power Sourcing Equipment (PSE) up to 90W. Housed in rugged metal Din-rail or wall-mountable enclosure, no fan design with extreme temperatures operation and redundant power inputs, makes those media converters a perfect choice for critical environments, such as security, transportation, airports, industrial networking or even military applications.

SPECIFICATIONS

Model	MCG-D5	MCGP-D5	MCGP90-D5
Ports			
RJ45 ports and speed	1 * 10/100/1000Base-TX		
Fiber ports and speed	1 * 100/1000Base-X SFP or fiber module inbuilt*		
Ethernet			
Processing type	Store and Forward		
Switching Bandwidth	4Gbps		
Max Packet Length	9K		
Packet Buffer	1M		
MAC Address Table	2K		
PoE	Not supported	IEEE802.3af/at Max output 30W	IEEE802.3af/at/bt Max output 90W
Standards	IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab		

Model	MCG-D5	MCGP-D5	MCGP90-D5
Environmental			
Operating Temperature	-40°C ~ +75°C		
Storage Temperature	-40°C ~ +85°C		
Relative Humidity	0 ~ 90% non-condensing		
MTBF	>200.000h		
Electrical and Physical			
Power Input	Redundant 12-48VDC		Single 48-57VDC
Max Power consumption	5W	35W	95W
Cooling	Natural cooling, no fan design		
Dimensions (H * D * W)	95 * 70 * 30mm		
Weight	250g		
Mounting	Din-rail / Wallmount		
Certification			
Standards	CE 2014/30/EU EMC		
	EN 55032:2015		
	EN 55035:2017		
	EN 61000-3-2:2014		
	EN 61000-3-3:2013		
	CE 2014/35/EU LVD		
	EN62368-1:2014+A11:2017		
	FCC Part 15, Subpart B:2016		
	ANSI C63.4:2014		
	RoHS 2011/65/EU and 2015/863/EU		

ORDERING INFORMATION

Model name	Description
MCG-D5	Industrial Ethernet media converter 1*10/100/1000Base-TX RJ45 to 1*100/1000Base-X SFP, redundant 12-48VDC inputs, Din-Rail
MCGP-D5	Industrial Ethernet media converter 1*10/100/1000Base-TX RJ45 PoE to 1*100/1000Base-X SFP, redundant 12-48VDC inputs, Din-Rail
MCGP90-D5	Industrial Ethernet media converter 1*10/100/1000Base-TX RJ45 90W PoE to 1*100/1000Base-X SFP, 48-57VDC input, Din-Rail

*Options with fiber module inbuilt available.

OTHER

SFP module and Power supply is not included and to be purchased separately



Vikings Technology Co. Ltd.

www.vikingstechnology.com

sales@vikingstechnology.com