

HMC-HDM-G1S

Hardened Grade 10/100/1000Base-TX to 1000Base-SFP Ethernet Media Converter
Redundant DC Power Inputs



Features

- Converts 10/100/1000Base-TX to 1000Base-SFP
- Supports Full/Half-duplex, Auto-negotiation, Auto MDI/MDIX
- Extensive LED indicators for network diagnostics
- Supports external 1000Base-SFP
- 1024Kbits Packet Buffer
- Aluminium case
- Supports DIN-Rail and Wall-mount installation
- Redundant power inputs
- -40°C to 75°C (-40°F to 167°F) operating temperature

Specifications

Ethernet

Standards	IEEE802.3 IEEE802.3u IEEE802.3x IEEE802.3z IEEE802.3ab IEEE802.3az IEEE802.1q IEEE802.1X
Processing type	Store-and-Forward
Forward Filter Rate	14,880pps (10Mbps) 148,800pps (100Mbps) 148,800pps (1000Mbps)
Cabling	10Base-TX: Cat5 or above 100Base-TX: Cat5 or above 1000Base-TX: Cat5 or above
Packet Buffer Memory	1M bits
Max Packet Length	10K Bytes
Address Table Size	8K

Interface

RJ45 port	10/100/1000Mbps-Full/Half-duplex, Auto-negotiation, Auto MDI/MDI-X
SFP port	1000Base-SFP (Suggest HEPDA SFP)
LED Indicators	Power; Link

Optical

SFP port	1000Mbps
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Electrical & Mechanical

Input Power	DC9-56V (Terminal block, Redundant power)
Power Consumption	5W, Max. 0.1A@48VDC
Dimensions	120 × 90 × 35 mm
Weight	370 g
Casing	Aluminium case
Mounting Options	DIN-Rail and Wall Mount

Environmental

Operation Temperature	-40°C to 75°C (-40°F to 167°F)
Relative Humidity	5%~90% (no condensation)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
MTBF	> 100,000 hrs

Regulatory Approvals

EN 55022: 2010+AC: 2011	IEC 61000-4-2: 2008	FCC Part 15 Subpart B
EN 61000-3-2: 2014	IEC 61000-4-3: 2010	RoHs
EN 61000-3-3: 2013	IEC 61000-4-4: 2012	IEC 62321-7-2:2017
EN 55024: 2010	IEC 61000-4-5: 2014	IEC 62321-4:2013+A1:2017
	IEC 61000-4-6: 2013	IEC 62321-5:2013
	IEC 61000-4-8: 2009	IEC 62321-6:2015
	IEC 61000-4-11: 2004	IEC 62321-8:2017
		EN 55032: 2016
		EN 55035: 2017

Ordering Information

Available Model	Description
HMC-HDM-G1S	Hardened Grade 10/100/1000Base-TX to 1000Base-SFP Ethernet Media Converter with Redundant DC Power Inputs

Optional Accessories (to be purchased separately)

SFP	(S)=SFP Option. Please select your SFP on our SFP Modules page for details.
Power Supply	Recommended power supply: MDR-10-12. Please refer to the Power Adaptors and Power Supply page for more information.

Package Checklist

- Gigabit Ethernet Media Converter x1
- Din Rail Clip x1
- Quick Installation Guide x1



Hepda Pte Ltd, 2024

Due to continuous improvement, all product specifications are subject to change without further notice.