

HMC-IDM-G1S

Industrial Grade 10/100/1000Base-TX to 1000Base-SFP Ethernet Media Converter



Features

- 1 x 10/100/1000Base-TX + 1 x 1000Base-SFP
- Supports IEEE802.3az energy-saving technology
- Supports Full/Half-duplex, Auto-negotiation, Auto MDI/MDIX
- 10K Bytes Jumbo Frame
- Supports 12G backplane bandwidth
- Supports 802.3x Flow control
- 10/100/1000Mbps RJ45 Port
- Supports external 1000Base-SFP
- Supports Wall-mount and DIN-Rail installation
- Redundant Power Inputs
- -20°C to 70°C operating temperature

Specifications

Ethernet

Standards	IEEE802.3 for 10Base-TX IEEE802.3u for 100Base-TX and 100Base-FX IEEE802.3x for Flow Control IEEE802.3az for Energy Efficient Ethernet IEEE802.1q for VLAN IEEE802.1x for Port Based Network Access Control
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	4K
Exchange Property	Delay time: < 7μs Backplane bandwidth: 12Gbps

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
Connector	1 removable 5-contact terminal blocks



Dimensions
Weight
Casing
Mounting Options

Pin 1/2 for Power 1, Pin 4/5 for Power 2, Pin 3 for fault alarm
120 × 90 × 35 mm
350 g
Aluminium case
DIN-Rail and Wall Mount

Environmental

Operation Temperature -20°C to 70°C (-4°F to 158°F)
Operation Humidity 5%~90% (no condensation)
Storage Temperature -40°C to 85°C (-40°F to 185°F)
MTBF > 100,000 hrs

Regulatory Approvals

FCC Part 15 Class B	IEC 62321-4:2013+AMD1:2017
IEC/EN 60884-1:2002+A1:2006+A2:2013	IEC 62321-5:2013
EN 62368-1:2020	IEC 62321-6:2015
EN 55032:2015	IEC 62321-7-1:2015
EN 61000-3-2:2014	IEC 62321-7-2:2017
EN 61000-3-3:2013	IEC 62321-8:2017
EN 55035:2017	

Ordering Information

Available Model

Description

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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

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|------------------------------------|----|
| • Gigabit Ethernet Media Converter | x1 |
| • DIN-Rail Clip | x1 |
| • Quick Installation Guide | x1 |
| • Wall-Mount Kits | x2 |



Hepda Pte Ltd, 2024

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