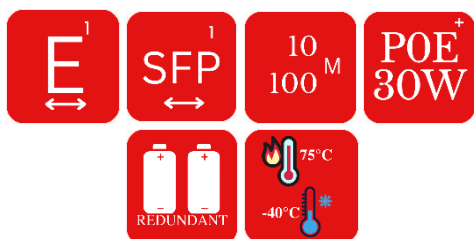# HMC-HDM-F1SPp

Hardened Grade 10/100Base-TX (PoE+) to 100Base-SFP Ethernet Media Converter

Features

- Complies with 802.3af/at PSE standard (30W)
- 10/100Mbps-Full/Half-duplex, Auto-negotiation, Auto MDI/MDI-X
- Support external SFP
- Full wire-speed forwarding rate
- 512Kbits Packet Buffer
- Aluminum case
- Redundant power input
- Support Wall-mount installation
- -40℃ to 75℃ (-40℉ to 167℉) operating temperature

Specifications

Ethernet

Standards	IEEE802.3 IEEE802.3u IEEE802.3x IEEE802.3az IEEE802.3q IEEE802.3X
Processing Type	Store and forward
Forward Filter Rate	14,880pps (10Mbps) 148,800pps (100Mbps)
Cabling	10Base-TX: Cat5 or above 100Base-TX: Cat5 or above
Packet Buffer Memory	512K bits
Max Packet Length	9K Bytes
Address Table Size	2K

Interface

RJ45 port	10/100Mbps-Full/Half-duplex, Auto-negotiation, Auto MDI/MDI-X
POE port	IEEE 802.3af/at, PSE (30W), 1/2(+), 3/6(-)
SFP port	100Base-SFP (Suggest HEPDA SFP)
LED Indicators	Power; Link; PoE

Optical

SFP port	100Mbps

Electrical & Mechanical

Input Power	DC9-56V (Terminal block, Redundant power)
	input voltage for PoE: DC48-56V (Suggest 56V)
Power Consumption	35W, 0.78A@48VDC (PoE in use)
	5W, Max. 0.1A@48VDC (PoE not in use)
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
Operation Humidity	5%~90% (no condensation)
Storage Temperature	-40˚C to 85˚C
MTBF	> 100,000 hrs

Regulatory Approvals

FCC Part 15 Subpart B
RoHS
IEC 62321-7-2:2017
IEC 62321-4:2013+A1:2017
IEC 62321-5:2013
IEC 62321-6:2015
IEC 62321-8:2017
EN 55032: 2016
EN 55035: 2017

Ordering Information

Available Model	Description
HMC-HDM-F1SPp	Hardened Grade 10/100Base-TX (PoE+) to 100Base-SFP Ethernet Media Converter

Optional Accessories (to be purchased separately)

SFP	(S)=SFP Option
Power supply	Recommended power supply: MDR-40-48.Please refer to the Power Adaptors and Power Supply page for more information.

Package Checklist

• Fast Ethernet Media Converter	x1
• Din Rail Clip	x1
• Quick Installation Guide	x1

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