

HMC-HMT-F1S

Hardened Grade Microtype 10/100Base-TX to 100Base-SFP Ethernet Media Converter



Features

- Converts 10/100Base-TX to 100Base-SFP
- Supports Full/Half duplex
- Supports external 100Base-SFP
- Supports Auto MDI/MDI-X
- Sleek Microtype design, fits within most camera housing
- Extensive LED indicators for network diagnostics
- Supports DIP-switch Ethernet OAM
- Environmentally hardened -40°C to 75°C (-40°F to 167°F) operating temperature



Specifications

Ethernet

Standards	IEEE802.3 10Base-TX IEEE802.3u 100Base-TX IEEE802.3x Flow Control
Processing Type	Forward
Forward Filter Rate	14,880pps (10Mbps) 148,800pps (100Mbps)
Cabling	1000Base-TX: Cat5 or above
Maximum Distance	Cat5UTP up to 100m
Connector	1 x RJ45
Optical port	1 x SFP 100Base
Dip Switch	#1 LFP (Link Fault Pass Through) ON/OFF #2 ALS (Only for SFP) ON/OFF #3 FX Reset ON/OFF

Electrical & Mechanical

Input Power	12VDC
Power Consumption	2.4W Max. 0.2A@ 12VDC
LED Indicators	



Power	Power status
1000TX	Link/Activity, Speed
SFP	Link/Activity
Dimensions	38.5 × 117 × 24.5 mm; (with screw 42 x 117 x 24.5 mm)
Weight	0.15kg
Casing	Aluminium
Mounting Options	Wall Mount / Rack Mount: MR-C10 Series

Environmental

Operation Temperature	-40°C to 75°C
Operation Humidity	5%~95% (no condensation)
Storage Temperature	-40°C to 85°C
MTBF	> 100,000 hrs

Regulatory Approvals (Pending)

EMI	EN55022: 2010+AC: 2011 Class A EN61000-3-2:2006+A1: 2009+A2:20099 EN61000-3-3: 2013 EN55024:2010
EMS	IEC 61000-4-2:2008 (ESD) IEC 61000-4-3:2010(RS) IEC 61000-4-4:2012(EFT) IEC 61000-4-5:2014(Surge) IEC 61000-4-6:2013(CS) IEC 61000-4-8: 2009(PFMF)
ISO9001, CE, FCC, RoHS	

Ordering Information

Available Model	Description
HMC-HMT-F1S	Hardened Micro type 10/100Base-TX to 100Base-SFP Ethernet Media Converter

Optional Accessories (to be purchased separately)

SFP	(S)=SFP Option. . Please select your SFP on our SFP Modules page for details.
Rack & Chassis mount	1U 19-inch Rack for micro-type products mountable up to 10 slots

Package Checklist

- Fast Ethernet Media Converter x1
- 1.25A 12VDC Power Adapter x1
- Quick Installation Guide x1



Hepda Pte Ltd, 2024

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