

HMC-HMT-G1S

Hardened Microtype 10/100/1000Base-TX to 1000Base-SFP Ethernet Media Converter

Features



- Converts 10/100/1000Base-TX to 1000Base-SFP
- Supports Full/Half-duplex
- Supports external 1000Base-SFP
- Supports Auto MDI/MDIX
- 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 IEEE802.3ab 1000Base-TX IEEE802.3z 1000Base-X IEEE802.3x Flow Control
Processing type	Forward
Forward Filter Rate	14,880pps (10Mbps) 148,800pps (100Mbps) 148,8000pps (1000Mbps)
Cabling	1000Base-TX: Cat5 or above
Maximum distance	Cat5UTP up to 100m
Connector	1 x RJ45
Optical Port	1 x SFP 1000Base
Dip Switch	#1 LFP (Link Fault Pass Through) ON/OFF #2 ALS (Only for SFP) ON/OFF #3 FX Reset ON/OFF #4 FX Speed Setting (OFF: Fixed 1000M; ON: 100M/1000M)

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 case
Mounting Options	Wall Mount / Rack Mount

Environmental

Operation Temperature	-40°C to 75°C (-40°F to 167°F)
Operation Humidity	5%~95% (no condensation)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
MTBF	> 100,000 hrs

Regulatory Approvals (Pending)

ISO9001, CE, FCC, RoHS
EMI
EN55022: 2010+AC: 2011 Class A
EN61000-3-2:2006+A1: 2009+A2:2009
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)

Ordering Information

Available Model	Description
HMC-HMT-G1S	Hardened Microtype 10/100/1000Base-TX to 1000Base-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.
MR-C10 Series	1U 19-inch Rack for micro-type products mountable up to 10 slots

Package Checklist

• Gigabit 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.