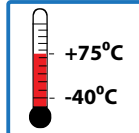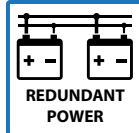**HARDENED 2 PORTS MINI TYPE GIGABIT ETHERNET TO FIBER MEDIA CONVERTER WITH 1x100/1000BASE-T(X) AND 1x100/1000BASE-X SFP PORT**

MEDIA CONVERTERS

FC CE

FULL GIGABIT

REDUNDANT POWER

+75°C
-40°C

FEATURES

- Supports 1 port 100/1000Base-T(X) auto-negotiation and auto-MDI/MDI-X
- Support Ethernet to SFP port signal conversion
- Ethernet port supports full/half duplex operation
- SFP port support full-duplex operation
- Supports store and forward transmission
- Provided DIP-Switch to setting SFP speed
- High reliability and rigid IP-30 housing
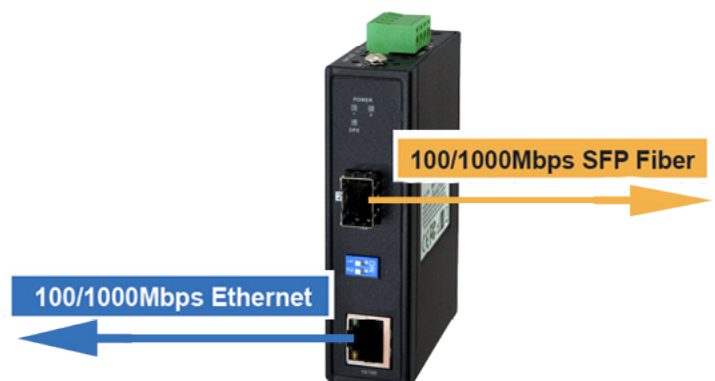- DIN-Rail and wall mounting enabled

DESCRIPTION

Meridian's MC2GT1GX1 media converter is a cost-effective solution for the conversion between 10/100/1000Base-T(X) and 100/1000Base-X interfaces, allowing you to extend communication distance by optical fiber.

The MC2GT1GX1 supports MDI/MDIX auto detection, eliminating the need for crossover cables. The MC2GT1GX1 has a wide operating temperature range (-40 ~ 75°C) and accepts a wide voltage range from dual 12 ~ 48 VDC power inputs. These operating parameters make it suitable for operation under even the most extreme environments.

Meridian's MC2GT1GX1 is a highly reliable media converter which can satisfy the most demanding operating environments.

SFP optical modules are available for a variety of optical fiber and connector types.

100/1000Mbps SFP Fiber

100/1000Mbps Ethernet

SPECIFICATIONS

Physical Ports	
10/100/1000Base-TX Port in RJ45 Auto MDI/MDIX	**1**
1000Base-FX SFP port	**1**
Technology	
Ethernet Standards	IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X
Processing	Store-and-Forward
DIP-Switch setting	DIP-Switch 1 (ON) and DIP-Switch 2 (ON) : SFP speed setting to 100Mbps DIP-Switch 1 (OFF) and DIP-Switch 2 (OFF) : SFP speed setting to 1000Mbps

LED indicators	
Power Indicator	Green : Power LED x 2 (ON : power input on-line / (OFF) power input off-line
10/100/1000Base-T(X) RJ45 Port Indicator	LED for Link/Act and Speed indicator ~ Green on only : 1000Mbps Link/Act - (ON) Link up / (Flash) Acting / (OFF) Link down Green and Amber on : 100Mbps Link/Act - (ON) Link up / (Flash) Acting / (OFF) Link down ***Note : If amber on only : 10Mbps (This is not working mode)**
100/1000Base-(F)X fiber port indicator	Green for fiber port Link/Act - (ON) Link up / (Flash) Acting / (OFF) Link down

Power	
Input Power	Dual 12~48 VDC voltage power input at 4-pin terminal block

Power Consumption (Typ.)	3.6 Watts
Overload Current Protection	Yes
Reverse polarity protection	Yes
Physical Characteristic	
Enclosure	IP-30
Dimension (W x D x H)	26.1 (W) x 70 (D) x 95 (H)mm (1.03 x 2.76 x 3.74 inch)
Weight (g)	190g (0.4 lb)
Environmental	
Storage Temperature	-40 to 85ºC (-40 to 185ºF)
Operating Temperature	-40 to 75ºC (-40 to 167ºF)
Operating Humidity	5% to 95% Non-condensing
Regulatory approvals	
EMI	FCC Part 15, CISPR (EN55022) class A, EN50155 (EN50121-3-2, EN55011, EN50121-4)
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
Shock	IEC60068-2-27
Free Fall	IEC60068-2-32
Vibration	IEC60068-2-6
Safety	EN60950-1

Ethernet Port Status	SFP Fiber Port Status	Working Status
100Mbps	**100Mbps**	**Available**
100Mbps	**1000Mbps**	**Not available**
1000Mbps	**1000Mbps**	**Available**
1000Mbps	**100Mbps**	**Not available**

Ordering Information		
Products	**Part Number**	**Description**
	MC2GT1GX1	**Hardened 2 ports Mini Type Gigabit Ethernet to Fiber Media Converter with 1x100/1000Base-T(X) and 1x100/1000Base-X SFP port**
Recommended Power supplies	**PSH24DC24** **PSH24DC40**	**PSH24DC24 - 24VDC @ 1 Amp (24 Watts)** **PSH24DC40 - 24VDC @ 1.7 Amps (40 Watts)**
SFP Options	**Refer to Optical SFP Data Sheet for complete part numbers and ordering information**	

Packing List	
MC2GT1GX1	1
Wall-Mount Kit	1
Quick Installation Guide	1
Din-Rail Mounting Kit	1